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**UNITED STATES SECURITIES  
AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM 6-K**

**REPORT OF FOREIGN ISSUER PURSUANT TO RULE 13a-16 AND 15d-16 UNDER  
THE SECURITIES EXCHANGE ACT OF 1934**

For the month of: May 2004  
Commission File Number: 000-50012

**Gold City Industries Ltd.**  
(Translation of registrant's name into English)

550 – 580 Hornby Street, Vancouver, British Columbia, CANADA V6C 3B6  
(Address of principal executive offices)

1. Technical Report on the Golden Crown Property Dated June23, 2004
2. Qualification Certificate(s) Dated June 22, 2004, included in report
3. Consent letter(s) Dated June 22, 2004, included in report

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.  
Form 20-F **XXX** Form 40-F.....

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): \_\_\_\_

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes ..... No **XXX**

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- \_\_\_\_\_

# SNOWDEN

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## TECHNICAL REPORT GOLDEN CROWN PROPERTY GREENWOOD, BRITISH COLUMBIA, CANADA

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PREPARED FOR



PROJECT NUMBER: 04V332  
DATE OF ISSUANCE: JUNE 22, 2004  
PREPARED BY: NEIL BURNS M.Sc., P.GEO.  
PAUL COWLEY P.GEO.

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**SNOWDEN MINING INDUSTRY CONSULTANTS**  
**#720 – 1090 WEST PENDER STREET, VANCOUVER, B.C. V6E 2N7**

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## 1. SUMMARY

Snowden Mining Industry Consultants (Snowden) was retained by Gold City Industries Ltd. (GC) to provide a resource estimate for the Golden Crown property, Greenwood, British Columbia. The resource estimation work was undertaken in compliance with CIM Mineral Resource and Mineral Reserve definitions that are referred to in National Instrument (NI) 43-101, Standards of disclosure for Mineral Projects. This technical report has been prepared in compliance with the requirements of Form 43-101F.

The Golden Crown Property is composed of 61 contiguous mineral claims located 4 km east southeast of Greenwood, in south central British Columbia and 1 km south of the Phoenix open pit that produced 1 million ounces of gold and 400 million pounds of copper. The property is an amalgamation of four contiguous property acquisitions where GC can acquire 100% interest in the claims subject to underlying NSR royalties.

The Greenwood area is a historic mining region, ranking sixth largest in gold production in British Columbia with approximately 1.3 million ounces of gold. Much of the production was from the Phoenix copper-gold skarn, some 2-3 km northwest from the heart of the sulfide vein system on the Golden Crown Property. Neighboring mining camps include the Republic district of northern Washington, 50 km south of the claims, which has produced 2.5 million ounces of gold from epithermal deposits and the Rossland mining camp 45 km east of the property which has produced 2.5 million ounces of gold. GC has interpreted the Rossland veins and geology to be similar to the Golden Crown Property.

At the Golden Crown Property historic production from the Winnipeg claim stands at 53,316 tonnes averaging 6.9 g/t Au and 0.16% Cu. GC believes that the reported production figures understate the true production as suggested by the extent of respective workings and dumps.

The Golden Crown property covers a corridor of west northwest trending sub parallel and closely spaced steeply dipping massive sulfide and quartz-sulfide veins occur in the southeastern part of the property as part of a 4 km long gold/copper system. The core of the known vein system lies within an area 130 m wide by 800 m long. Veins typically range 0.3 – 1.0 m, with local developments to 5 m true width near the serpentinite contact. Veins range greatly in sulfide content but generally contain 50-90% sulfides of pyrrhotite-pyrite and lesser chalcopyrite in a quartz gangue. Quartz veins with very low sulfide content are also present. Both vein types can carry high gold tenor. Extensive surface and underground drilling and a 1.1 km exploration adit have helped to define the vein system. About 2.5 km to the west northwest along the gold/copper corridor, trenching has identified several sympathetic north dipping auriferous shear zones indicating the northwest extension of the Golden Crown gold system. The 2.5 km gap between the principal vein system and the trenched auriferous shears contain untested soil gold anomalies.

Snowden's resource geologist Kevin Palmer visited the site from April 28-29, 2004 to verify the conduct of GC's 2003 drilling program.

The resource estimate involved statistical and geostatistical analyses of the data. Ordinary Kriging was used to interpolate true vein thickness and composited gold and copper accumulations into a 2D block model. Classification of the resource was done in compliance with CIM 2000 definitions and standards.



Table 1.1 displays the classified Golden Crown resource above a block cutoff grade of 6 g/t gold equivalent. Equivalent grades were calculated with the following assumed metal prices and formula:

$$\begin{aligned} \text{Gold Price} &= \$380/\text{oz or } \$11.08195/\text{gram}; \\ \text{Copper Price} &= \$1.10/\text{lb or } \$0.00243/\text{gram}; \text{ and} \\ \text{Gold Equivalent (AuEq)} &= \text{Au} + (\text{Cu} \times 10,000)/4569.712 \end{aligned}$$

Recoveries of both metals were assumed at 100% and no factoring for anticipated net smelter returns was made in the calculation of gold equivalence.

**Table 1.1 Golden Crown Classified Resource at a Cutoff of 6 g/t Gold Equivalent**

Classification	Tonnes	Grade		
		AuEq g/t	Au g/t	Cu %
Measured	-	-	-	-
Indicated	30,700	19.7	17.9	0.8
Mea + Ind	30,700	19.7	17.9	0.8
Inferred	74,200	14.0	12.7	0.6

At a cutoff grade of 6 g/t gold equivalent, the currently defined Indicated Mineral Resource at Golden Crown is 30,700 tonnes grading 17.9 g/t Au and 0.8% Cu or a gold equivalent of 19.7 g/t. Inferred Resources are estimated at 74,200 tonnes grading 12.7 g/t Au and 0.6% Cu or a gold equivalent of 14.0 g/t at the same gold equivalent cutoff grade.

## 2. INTRODUCTION AND TERMS OF REFERENCE

Snowden Mining Industry Consultants (Snowden) was retained by Gold City Industries Ltd. (GC) to provide a resource estimate for the Golden Crown property, Greenwood, British Columbia. The resource estimation work was undertaken in compliance with CIM Mineral Resource and Mineral Reserve definitions that are referred to in National Instrument (NI) 43-101, Standards of disclosure for Mineral Projects. This technical report has been prepared in compliance with the requirements of Form 43-101F.

Mr. Neil Burns, P.Geo., an employee of Snowden, and Paul Cowley, P.Geo. a consultant for GC, served as the Qualified Persons responsible for preparing the Technical Report. The resource estimation work was reviewed by Mr. Andrew Ross, FAusIMM, CP.Geo., also an employee of Snowden.

Paul Cowley supervised the 2003 drilling and sampling activities and has authored Sections 3 to 16 of the report. Snowden has authored Section 17 of the report and is responsible for all aspects of the estimation of Golden Crown resources. Sections 19 and 20 have been co-authored by GC and Snowden.

In preparing this report, Snowden relied on geological reports, maps and miscellaneous technical papers listed in the References (Section 21) of this report, public information, and Snowden's experience in British Columbia. A site visit of the Lexington and Golden Crown properties was performed by Kevin Palmer, an employee of Snowden, between April 28<sup>th</sup> and 29<sup>th</sup>, 2004, during which the recent drilling programs were reviewed and many of the new drill collars were substantiated. At the time of the site visit, the latest drilling program had been completed and all samples analyzed by Eco Tech Laboratories Ltd. (Eco Tech), Kamloops, BC. Snowden requested Eco Tech to provide a number of representative sample rejects for independent confirmation analysis. These samples were sent to ALS Chemex Laboratories in Vancouver and the results are included in this report.

Snowden has not reviewed the land tenure situation in detail and has not independently verified the legal status or ownership of the properties or underlying option and/or joint venture agreements. The results and opinions expressed in this report are based on Snowden's field observations and the technical data provided by GC. While Snowden has carefully reviewed all of the information made available by GC, and believe it to be reliable from the checks made, Snowden has not conducted an in-depth independent investigation to verify its accuracy and completeness from first principles.

This report is intended to be used by GC and is subject to the terms and conditions of its contract with Snowden. Reliance on the report may only be assessed and placed after due consideration of the nature and Snowden's scope of work, as described herein. This report is intended to be read as a whole, and sections or parts thereof should therefore not be read or relied upon out of context.

Snowden permits GC to file this report as a Technical Report with Canadian Securities Regulatory Authorities pursuant to provincial securities legislation. Except for the purposes legislated under provincial securities law, any other use of this report by any third party is at that party's sole risk. Further, any results or findings presented in this study, whether in full or

excerpted, may not be reproduced or distributed in any form without Snowden's written authorization.

All measurement units used in the resource estimate are metric and the currency is expressed in US dollars unless stated otherwise.

### **3. DISCLAIMER**

No disclaimer statement was necessary for the preparation of this report.

#### 4. PROPERTY DESCRIPTION AND LOCATION

The Golden Crown Property is composed of 61 contiguous claims totaling 61 units and 906.9 hectares (Figure 4.1 and Figure 4.2). The claims are located within the Greenwood Mining Division in south central British Columbia, Canada (Table 4.1) and are centered on 49° 05' 00" N and 118° 35' 30" W on NTS map sheet 82E/02E. The claims are 4 km east southeast of Greenwood and 1 km south of the Phoenix open pit at an average elevation of 1370 m. Figure 9.1 to Figure 9.6 show the location of known and interpreted mineralization which host a mineral resource as well as mine workings, all relative to the claim boundaries.

The property is an amalgamation of four contiguous property acquisitions. GC entered into four separate agreements to acquire 100% interest in the claims subject to underlying net smelter return ("NSR") royalties as follows:

1. The first acquisition was the Winnipeg and Golden Crown Crown Grants. GC entered into an agreement dated August 6, 2002 to acquire 100% interest in these crown grants for 1,000,000 common shares of GC and \$150,000 over a period of 15 months. GC has completed on these commitments thus owning 100% of these claims. Dynasty Motor Car Corporation (Dynasty) will receive a 2.5% NSR royalty for all production of minerals from the property. GC will have the right, but not the obligation to purchase the 2.5% NSR royalty for \$1,250,000, in increments of 0.5% at \$250,000 per increment, within a 2 year period, subject to the first increment being purchased within the first year of the agreement. The two claims have been legally surveyed.
2. The Zip group of claims comprising 11 units in 139 hectares formed the second acquisition. GC signed an agreement with John Kemp to acquire 100% interest in the Zip 1 – 11 mineral claims, subject to a 1.5% NSR royalty. In consideration for 100% interest in the Zip claims, the Company made cash payment of \$500 and delivered 25,000 common shares. The 1.5% NSR royalty will be capped at \$750,000 and the Company will have the right to purchase the NSR royalty for \$375,000, in 0.5% increments, at \$125,000 per increment, at anytime within 5 years.
3. The JD ground composed of 37 units in 577.83 hectares was the third acquisition. GC entered into an option agreement with John Kemp, Don Hairsine, and George Nakade to acquire 100% interest in the JD mineral property; subject to a 2.5% NSR royalty. Under the terms of the option agreement, the Company will make cash payments totaling \$97,500, deliver 300,000 shares, and conduct \$250,000 in exploration expenditures on the property over a four year period. GC is still earning its interest in this property, without any deficiencies to date. The Vendors will retain a 2.5% NSR royalty capped at \$2,500,000. The Company will have the right, at anytime in the five year period after it has exercised the option to acquire the property, to purchase the 2.5% NSR royalty for \$1,500,000, in increments of 0.5%, at \$300,000 per increment.
4. The Century Gold ground comprising 11 units in 158.32 hectares formed the fourth acquisition. GC entered into an option agreement with Novra Technologies Inc., to acquire 100% interest, subject to a net NSR royalty, in the Century Gold mineral property. Under the terms of the option agreement, the Company will make cash payments totaling \$75,000 over a two year period from the date of acceptance of the transaction by the TSX Venture Exchange and will deliver 400,000 shares to Novra Technologies Inc. The Company has one remaining option payment in October 2004 to

complete the acquisition. Concurrently, a 4.5% gross value of production royalty, pursuant to an underlying agreement on the Century claims, has been converted to a 4.5% NSR royalty, payable to three royalty holders. The 4.5% NSR royalty will reduce to a 2.7% royalty after the first \$300,000 in NSR royalty payments. Pursuant to the royalty agreement, the Company has agreed to exploration work commitments of \$15,000 per year over a ten year period. GC has fulfilled the first year's \$15,000 work commitment to October 2004, by the fall 2003 Tiara and Portal Vein drilling campaign.

**Table 4.1 Mineral Claims, Greenwood Mining Division**

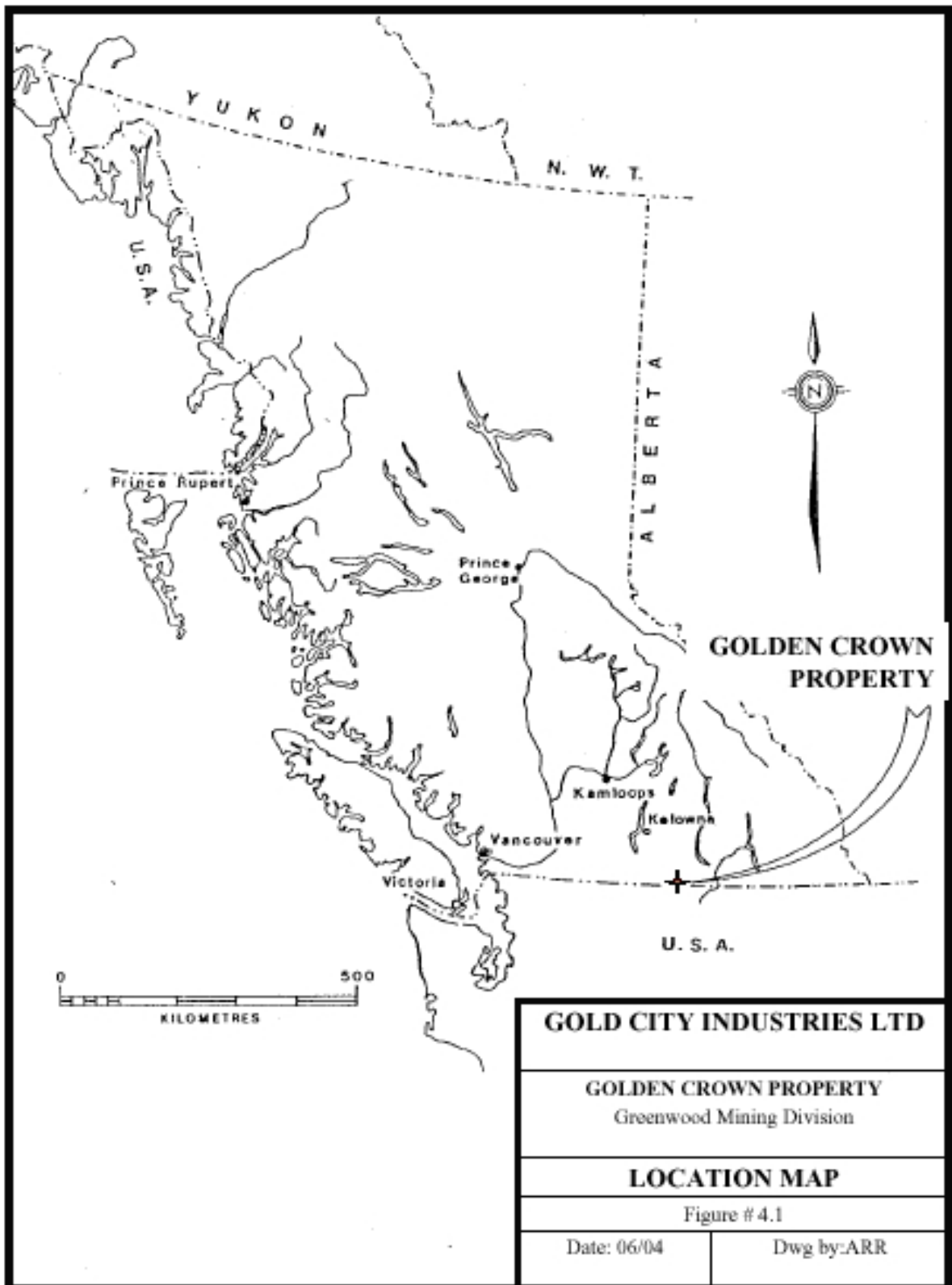
<b>Tenure</b>	<b>Number</b>	<b>Claim Name</b>	<b>Status</b>	<b>Units</b>	<b>Hectare</b>	<b>Owner</b>	<b>Property</b>	<b>Interest</b>	<b>Royalty</b>
<b>GOLDEN CROWN-</b>									
	L599	Winnipeg	Crown Grant	1	10.81	Gold City			2.5% Dynasty
	L600	Golden Crown	Crown Grant	1	20.9	Gold City			2.5% Dynasty
	<b>Total</b>			<b>2</b>	<b>31.71</b>				
<b>CENTURY GOLD Under 100% Option from Novra Technologies Inc.</b>									
	357023	JOEJOE L.759s	20080626	1	17.46	Century	Century Gold	Novra	Schindler 1.50%
	357024	HECLA L.859	20080626	1	15.34	Century	Century Gold	Novra	Rippon 1.50%
	357025	HARTFORD L.1057	20080626	1	18.93	Century	Century Gold	Novra	McCann 1.50%
	357026	J&R FR. L.1059	20080626	1	16.11	Century	Century Gold	Novra	
	357027	L.1061	20080626	1	15.27	Century	Century Gold	Novra	
	357028	HARD CASH L.1062	20080626	1	11.57	Century	Century Gold	Novra	
	357029	NABOB FR. L.1063	20080626	1	4.29	Century	Century Gold	Novra	
	357030	SISSY L.1068	20080626	1	17.24	Century	Century Gold	Novra	
	357031	CALUMET	20080626	1	16.41	Century	Century Gold	Novra	
	357032	WAR CLOUD FR	20080626	1	7.49	Century	Century Gold	Novra	
	357033	SILVER STAR	20080626	1	18.21	Century	Century Gold	Novra	
	<b>Total</b>			<b>11</b>	<b>158.32</b>				

JD		Under 100% option to Gold City					
334269 JOE#1	20070306	1	22	Kemp	JD	Kemp	
334270 JOE#2	20070306	1	22	Kemp	JD	Kemp	
334271 JOE#3	20070306	1	25	Kemp	JD	Kemp	
334272 JOE#4	20070306	1	18	Kemp	JD	Kemp	
334273 JOE#5	20070306	1	12	Kemp	JD	Kemp	
334274 JOE#6	20070306	1	25	Kemp	JD	Kemp	
334275 JOE#7	20070306	1	12	Kemp	JD	Kemp	
334276 JOE#8	20070306	1	20	Kemp	JD	Kemp	
344386 JD#1	20070319	1	24	Kemp	JD	Kemp	
344387 JD#2	20070319	1	7	Kemp	JD	Kemp	
344388 JD#4	20070319	1	25	Kemp	JD	Kemp	
344389 JD#5	20070319	1	25	Kemp	JD	Kemp	
344390 JD#6	20070319	1	2	Kemp	JD	Kemp	
344391 JD#7	20070319	1	21	Kemp	JD	Kemp	
344392 JD#8	20070319	1	16	Kemp	JD	Kemp	
344469 JD#3	20070319	1	2	Kemp	JD	Kemp	
344393 JD#9	20070320	1	14	Kemp	JD	Kemp	
344394 JD#10	20070320	1	18	Kemp	JD	Kemp	
344395 JD#11	20070320	1	22	Kemp	JD	Kemp	
344396 JD#12	20070320	1	18	Kemp	JD	Kemp	
344397 JD#13	20070320	1	2	Kemp	JD	Kemp	
344398 JD#14	20070320	1	8	Kemp	JD	Kemp	
345930 JD 23	20070507	1	4	Kemp	JD	Kemp	
346142 JD 24	20070529	1	25	Kemp	JD	Kemp	
346143 JD 25	20070529	1	12	Kemp	JD	Kemp	
346144 JD 26	20070529	1	18	Kemp	JD	Kemp	
357051 NELLIE COTTON	20070626	1	20.9	Hairsine	JD	Hairsine	Kemp
352570 MICRO #1	20071102	1	10	Kemp	JD	Kemp	
352571 MICRO #2	20071102	1	16	Kemp	JD	Kemp	
352572 MICRO #3	20071102	1	1	Kemp	JD	Kemp	
352573 MICRO #4	20071102	1	24	Kemp	JD	Kemp	
352574 MICRO #5	20071102	1	20	Kemp	JD	Kemp	
214518 WREN L.1170	20071202	1	15.6	Kemp	JD	Kemp	Nakade
LEGAL TENDER							
214519 L.1551	20071202	1	22.26	Kemp	JD	Kemp	
334436 WIN FR.	20080323	1	15	Kemp	JD	Kemp	
214132 WINNER L.1158	20080519	1	13.07	Kemp	JD	Kemp	Hairsine
390756 BIT	20081112	1	1	Kemp	JD	Kemp	
<b>Total</b>		<b>37</b>	<b>577.83</b>				
ZIP							
395610 ZIP 1	20040801	1	7	Gold City	Zip	100%	Kemp
395611 ZIP 2	20040801	1	10	Gold City	Zip	100%	Kemp
395612 ZIP 3	20040801	1	1	Gold City	Zip	100%	Kemp
395613 ZIP 4	20040801	1	24	Gold City	Zip	100%	Kemp
395614 ZIP 5	20040801	1	12	Gold City	Zip	100%	Kemp
395615 ZIP 6	20040801	1	25	Gold City	Zip	100%	Kemp
395616 ZIP 7	20040801	1	23	Gold City	Zip	100%	Kemp
395617 ZIP 8	20040801	1	25	Gold City	Zip	100%	Kemp
396210 ZIP #9	20040902	1	5	Gold City	Zip	100%	Kemp
396211 ZIP #10	20040902	1	5	Gold City	Zip	100%	Kemp
396212 ZIP #11	20040902	1	2	Gold City	Zip	100%	Kemp
<b>Total</b>		<b>11</b>	<b>139</b>				

GC is unaware of any environmental liabilities on the claims with the exception of the ore dump with an dimension of about 15 X 15 X 10 m in height containing high sulfide/oxidized material beside the Winnipeg shaft that have been sitting there since the early 1900's. This stockpile is on a flat area without any significant run-off effects.

Any exploration work will require Notice of Work Permits before proceeding. A permit to allow trenching on the property has been granted and is in progress at the time of writing.





**Figure 4.1      Golden Crown Property Location Map**

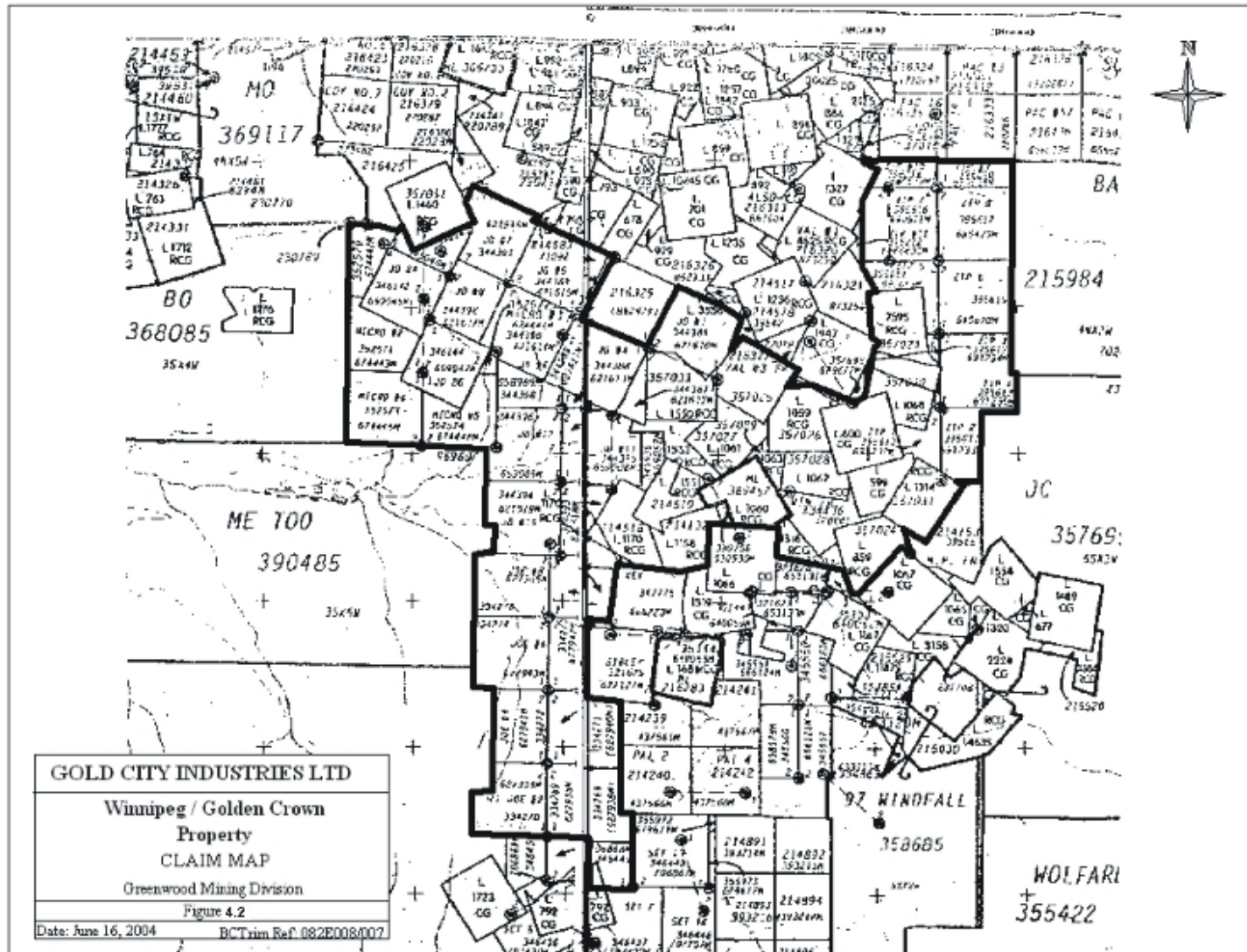


Figure 4.2 Winnipeg/Golden Crown Property

## **5. ACCESSIBILITY, CLIMATE, INFRASTRUCTURE AND PHYSIOGRAPHY**

The property is 4 km east southeast of Greenwood and 1 km south of the Phoenix open pit. The claims are easily accessible by: firstly, a paved provincial highway to Greenwood (i.e. Crowsnest Highway No. 3); followed by a paved/gravel road immediately east of Greenwood accessing the Phoenix open pit and linking to the main Lone Star haul road. Secondary dirt roads east and west of Hartford Junction on the Lone Star haul road provide access across the claims. Alternatively, the main gravel haul road can be accessed from the Highway No. 3 along the Phoenix ski slope road found between Greenwood and Grand Forks. The nearest full-service airport is at Penticton.

The regional terrain is mountainous and has an elevation range of approximately 300 to 2,000 m. The claims occur at an average elevation of about 1370 m. In the area the higher elevations are forest covered while the lower elevations are grass ranch land. The forest cover is second growth Ponderosa Pine, Douglas Fir and Larch with minimal underbrush. The claims are encompassed in the Kettle Provincial Forest Department and lies between Boundary, Eholt and July Creeks. The largest drainage basin in the district is the Kettle River basin 16 km southwest of the claims.

The climate is characterized by hot, dry summers and winters with snowfall generally less than 1 m. Work could be carried out year round but snow ploughing beyond Hartley Junction during winter months would be required.

Infrastructure is available in the immediate area to support mining. A natural gas pipeline and power line run close to the north limits of the property. In addition, there is a large, skilled workforce of trades and technical professionals as well as equipment suppliers available throughout the region.

The property provides suitable areas to locate waste disposal areas, a mill, and tailing facilities. GC has submitted an application for a mill and tailing facility. The exploration adit accessing the mineralization has its portal on the Calumet claim but part of the existing waste dump for that drift is on the adjoining Athelston-Jackpot claim group.

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## 6. HISTORY

The key Winnipeg and Golden Crown claims and the immediate area have had a long history of exploration and development partially described by previous workers (Robb, 190; Sookochoff, 1984a; Kim 1987c; Keyte and Sanders, 1980). The following exploration and development history on the claims is summarized from these sources as well as from Minister of Mines Annual Reports (1895-1905, 1938-41 and 1967-68), and from Minfile records 082ESE032 and 082ESE033:

- 1894 - The Winnipeg and Golden Crown claims were originally staked and subsequently Crown granted in 1896, however, owned and worked independently.
- 1900 and 1901 - the owners of the Golden Crown sunk a 98 m deep shaft on the Golden Crown vein and conducted a series of cross-cuts, raises and drifts totaling approximately 760 m on the 100, 150 and 300 foot levels. Production of 2,488 tonnes averaging 15.4 g/t Au and 1.5% Cu was mined during this period. Production was reported from three stopes on the 100 foot level reaching 55 m either side of the shaft. A 100 m long exploration/access adit (4' x 4') was later driven on the Golden Crown claim, however the adit reached its target.
- 1899 - the owners of the Winnipeg claim sunk a 91 m deep shaft on one of two veins separated by 25-30 m. Approximately 84 m of drifting was done along the 100 foot level, however, by 1902 a total of 305 m of sinking and raises and 915 m of cross-cuts and drifts were completed.
- May 1902 a disastrous fire and financial difficulties resulted in a suspension of operations. Although some production was reported from 1900-1903, the majority of the production was completed for the period 1910-1912 through the Golden Crown development. The property lay dormant until 1940, when some minor production occurred. The total production from the Winnipeg claim stands at 53,316 tonnes averaging 6.9 g/t Au and 0.16% Cu. It should be noted that the production figures reported on both the Winnipeg and Golden Crown claims do not appear to be consistent with the extent of their respective workings and dumps.
- 1965-68 - Sabina Mines and Scurry Rainbow conducted a diamond drilling and geophysical program targeting serpentinite-hosted nickel and chromite. Sixteen BQ holes totaling 1650 m were completed. Data is only available for 10 of these holes (Kim, 1987c).
- Late 1960's - Meridian Exploration Syndicate conducted a geochemical and geophysical survey and diamond drilling program on the property. They report a 21 m intercept of 0.2% Cu although the location of this work is uncertain.
- 1970 - Granby conducted an IP survey over the property but the details of this work are not known.
- 1976 - Grand Forks Syndicate completed a 5 hole drill program totaling approximately 200 m.
- 1977-1978 - Con Am Resources optioned the claims and conducted a 12 hole drill program.
- 1979 - Boundary Exploration Ltd. (later Consolidated Boundary Exploration) acquired the claims in and completed a 4 hole, 300 m drill program.
- 1980 - the claims were optioned to Munde Mines. Drill holes were resurveyed. The Golden Crown shaft was de-watered to the 100 foot level allowing access for the surveying, mapping and chip sampling (56 samples). Munde drilled 16 additional holes totaling 1500 m and conducted a surface mapping program.

- 1983 - Grand Forks Mines Ltd. optioned 50% interest in the claims.
- 1983 to 1990 - a total of 137 surface and 53 underground diamond drill holes were conducted on the Winnipeg and Golden Crown claims and their adjacent claims culminating in the discovery of nine mineralized zones. At this point the Winnipeg and Golden Crown claims were explored as part of a larger property, the Golden Crown Project, which included eleven additional adjoining reverted crown grants.
- Mid-1980's - Consolidated Boundary Exploration, completed 5 drill holes on JD (now part of Golden Crown Property) at that time, reporting an 8.6 g/t Au intercept across 3.6 m.
- 1986-1988 - Noranda conducted significant work on the northwestern part of the JD claim group. Work included grid establishment, soil sampling, geophysics, 26 trenches, 8 diamond drill holes totaling 672 m and 10 reverse circulation (RC) drill holes totaling 1078 m. Results were encouraging. A 1 km long elevated gold soil anomaly was identified. Trenching over a 90 m strike length of the 1 km long anomaly identified sub-parallel mineralized shear zones. Highlights of the trenching and drilling were 5.0 m grading 14.2 g/t Au, and 2.0 m grading 18.2 g/t Au. Follow-up work recommended by Noranda was never completed.
- 1995 - Noranda allowed the JD claim area to lapse.
- 1987 - all available data was entered into a digital database which allowed the preparation of a preliminary resource that was encouraging enough to recommend a \$1.3 million surface drilling and underground program. A program of 750 m of drifting and cross-cuts was carried out to provide for underground drilling access, future haulage access and a 150lb bulk sample from the King vein. In addition, the Golden Crown workings were de-watered to the 150 level and a vent raise connected the exploration adit to the old 100 foot level. The Golden Crown workings are still accessible via the shaft, although some ladders may require improvements. Ten surface drill holes were also completed in this phase.
- 1988 - a \$1 million Phase II program was conducted consisting of 48 underground drill holes, 12 surface drill holes, and 365 m of additional drifting and cross-cutting. The trackless exploration drift length was extended to 1070 m long with dimensions of 2.4 X 2.4 m. Drilling discovered the main shoot on the King vein below drift level and defined a southwest rake.
- 1989 - Grand Forks Mines underwent a name change and share consolidation to Attwood Gold Corporation and earned the remaining 50% interest in the claims. A minimal (5 holes) underground drilling program was completed in 1989.
- 1989 - Geologist R. Seraphim estimated a resource of 56,490 tonnes averaging 15.6 g/t Au, 17.8 g/t Ag and 0.7% Cu, and including a 25% dilution, 10 m area of influence and a 8.6 g/t Au cut-off for 1 m true thickness. Mr. Seraphim indicated the potential to expand the resource. This is not a declared resource on the property and should not be relied upon but remains a historic figure. GC has not prepared nor confirmed this resource estimation and as it pre-dates National Instrument 43-101 and it does not comply with NI 43-101 requirements for mineral resource estimation. Based on current CIM standards on mineral resources and reserves, P Cowley believes the reported mineral inventory would be classified as an Inferred Mineral Resource. A \$1.9 million program was recommended to better define the shoots by drifts and raises and driving a decline 100 feet below the adit level, however, the program was not initiated.
- 1990 - Attwood completed 34 surface drill holes, as well as soil geochemistry and geophysical survey on the claims and the adjoining claims. Re-surveying of all locatable drill holes was also accomplished. The digital database was thoroughly reviewed and

updated by a new exploration team who identified errors in the original database used by Seraphim.

- 1990 - G. Ford, P.Eng. estimated a resource for Attwood Gold Corporation. He estimated 33,657 tonnes grading 34.3 g/t Au (uncut), 18.4 g/t Au (cut) and 1.12% Cu on the Winnipeg-Golden Crown and Calumet claims. Ford's calculation assumed a lower cut-off of 8.6 g/t Au over 1 m true width, a 3.51 specific gravity, maximum area of influence of 10 m, and dilution to 1 m true width. This is also not a declared resource on the property and should not be relied upon but remains a historic figure. GC has not prepared nor confirmed this resource estimation and as it pre-dates National Instrument 43-101, it does not comply with NI 43-101 requirements for mineral resource estimation. Based on current CIM standards on mineral resources and reserves, P Cowley believes the reported mineral inventory would be classified as an Inferred Mineral Resource.
- 1990 - a dispute arose between Attwood Gold and Consolidated Boundary over the perceived reduction in resource base. The issue was later settled in 1991; however, a change in management at Attwood resulted in the property lying dormant.
- 1995 - The JD area was re-staked as the JD claim group by the current owners.
- 1997 - Pender Gold Corp. optioned the property and established a new grid, conducted mapping, ground magnetics and VLF and completed 5 diamond drill holes in the area of the Noranda drilling.
- 1999 - Pender dropped the option.
- 1997 - the Winnipeg and Golden Crown claims were acquired by Century Gold. The surrounding 11 reverted Crown grants were also acquired by Century Gold and maintained under the title of Golden Crown Property.
- 1998 and 1999 - Century Gold conducted a database review and corrected additional errors in the database. A mapping and trenching program was conducted on the Golden Crown Property in. Only a small portion of this trenching program was conducted on the Winnipeg and Golden Crown claims, specifically on the Tiara, Golden Crown, Samaritan and Princess veins. The work provided an improvement to structural and geological controls, resulting in similarities to mineralization at Rossland, B.C being established.
- 1998 - the main exploration adit accessing the vein system on Winnipeg and Golden Crown was rehabilitated for mapping. Century Gold did not fulfill their obligations, thus the claims were returned to Dynasty Motor Car Corporation (Dynasty) in 2002.
- 2002 GC Industries Ltd. acquired by way of option the Dynasty, Century, JD and Zip claim groups, now falling under the general name of the Golden Crown Property. No work was conducted on the property until fall 2003 when a 47 hole 2138.7 m HQ size drill program was completed by GC. At total of 21 holes were directed at definition drilling (15 m centers) on the King Vein, the main resource vein on the property. The remaining 26 holes in the campaign explored five other fringe veins outside of the heart of the Golden Crown system – the Samaritan, Tiara, Golden Crown, Portal, and Calumet Veins. Concurrently the Company completed 12 trenches 2.5 km to the west northwest along the gold/copper corridor on several north dipping shear zones. GC has submitted an application for a mill and tailing facility on the Golden Crown Property.

## 7. GEOLOGICAL SETTING

### 7.1. Regional

Fyles (1990) performed the most recent mapping of the Greenwood district, previously mapped by Little (1983) and Church (1986). As the distribution of rocks in the area are controlled by a series of faults, both Jurassic-aged thrust faults and Tertiary-aged extensional and detachment faults, an understanding of the regional and local structure is essential in understanding the geological framework (Figure 7.1 and Table 7.1). Many of the important mineral deposits in the area are directly related to the major tectonic and structural features.

Fyles has Paleozoic and Mesozoic rocks lying in a series of thrust slices above a high grade metamorphic basement developed from the Okanagan gneiss domes, with a general northward dip of lithologies. The two high grade metamorphic suites in the region are the Grand Folks Gneissic Complex and the Tenas Mary Creek Complex. The Grand Forks Complex is a fault-bounded, uplifted block of cratonic crust lying east of a north-trending normal fault 5 km south of the property. The Tenas Mary Creek complex is an uplifted domal succession that lies 4 km southwest of the Lexington – Lone Star property.

Unconformably overlying Okanagan gneiss domes are rocks of the late Paleozoic-aged Knob Hill Group which have a volcanic affinity, composed principally of chert, greenstone and related intrusives and serpentinite. Serpentinite bodies often marking thrusts represent part of a disrupted ophiolite sequence from the late Paleozoic-aged Knob Hill Group. The serpentinite, as lenticular bodies to continuous sheets, often exhibit Fe-carbonate alteration likely associated with the thrusting episode. Clasts of serpentinite in Middle Triassic conglomerate indicates a probable Permian age for the serpentinite. Knob Hill rocks are intruded by the Old Diorite, a hornblende diorite of variable texture that is cut by many veins and dated as Late Permian or older. The late Paleozoic Attwood Group unconformably overlies the Knob Hill Group. The Attwood Group is composed of sediments and volcanics, chiefly argillite, siltstone, limestone and andesite. Triassic-aged Brooklyn Formation unconformably overlies the older units and consists of limestone, clastic sediments and pyroclastics. The copper-gold skarns in the area such as Phoenix, Oro Denoro and Mother Lode-Greyhound are hosted in Brooklyn rocks.

A major compressional tectonic event in the Mesozoic resulted in the development of the five thrust faults in the region generally trending west or west-northwest and dip low to moderately to the north (Fyles, 1990). The lowest thrust sheet overlies the Tenas Mary Creek Core Complex along the White Mountain Fault 4 km southwest of the Lexington – Lone Star property. The hangingwall of this thrust sheet is confined by the No. 7 Fault. The thrust sheet is composed of Attwood Group metasediments and Brooklyn greenstone. The No. 7 Fault also forms the footwall of the next thrust sheet, with the Wright Mountain Fault forming the hangingwall. Lithological units in this second thrust sheet are Knob Hill and subordinate Brooklyn Formation. All of the significant mineralization and deposits on the Lexington-Lone Star property are spatially and genetically associated with the No. 7 Fault. About 2 km north of the Wright Mountain Fault is the Attwood Fault and a further 3 km north lies the Lind Creek Fault. Knob Hill units namely serpentinite, Old Diorite, greenstone and sediments, outcrop on the thrust wedge related to the Lind Creek Fault.

Two Mesozoic intrusive episodes are recognized in the area and cut the above units, the Jurassic-aged Lexington Porphyry and Cretaceous-aged Nelson intrusions that form satellites from major batholiths.

Two Tertiary extensional events created two sets of important extensional faults. A series of steep northerly-trending normal faults offset all rock units and includes many major faults, forming graben and horst boundaries. The Republic Graben is bounded to the west by the Bacon Creek Fault. The Beacon Creek Fault seems to terminate just southeast of the Lone Star Mine, but it is speculated that its fault movement continues northward and is taken up and reactivates the No. 7 Fault during Tertiary times. This is a significant point as it demonstrates the northern but modified continuation of the Republic Graben into Canada through the Lexington Property. As the Republic Graben is highly productive in gold in a number of mineralizing styles, the northern continuation into Canada through the Lexington Property demonstrates the high prospectivity in the area for similar style gold deposits. To further support the northern extension of the Republic Graben onto the property, the City of Paris vein has been dated by Neil Church at 50 million years, the same age as the epithermal veins in the Republic Graben. The second Tertiary event is shown in steeply dipping northeasterly trending faults with dextral and west side down movement. Commonly in the vicinity of principal Tertiary faults are accompanying lesser faults with smaller sympathetic offsetting.

Tertiary-aged volcanics and sediments unconformably overly older rock units, and are controlled by the Tertiary-aged faulting. Eocene-aged Scatter Creek diorite dykes and pulaskite Coryell stocks and dykes also intrude older rocks. The hot spring-type epithermal Emanuel Creek gold deposit lies near the paleosurface of the Sanpoil Volcanics subsequently covered by Eocene-aged Klondike Mountain Formation. These units are equivalent to the Marron Formation and overlying Kettle River Formation in Canada (Table 7.1).





**Table 7.1 Generalized Stratigraphic Column after Fyles (1990)**

AGE	NAME	MAP SYMBOL	LITHOLOGY
Eocene	Penticton	Epi	Dykes, sills and irregular plutons of pulaskite syenite, monzonite and diorite. (Coryell intrusions)
		Eps	Stratiform units, arkosic, volcanoclastic sediments(Kettle River Formation), flows of andesite, trachyte and phonolite (Marron Formation)
Unconformity			
Cretaceous	Nelson	Qd	Mainly granodiorite and quartz diorite, minor diorite (d) and gabbro (g)
Jurassic	Lexington	Qfp	Quartz feldspar porphyry
Triassic	Brooklyn	TRb	
		TRbv	Fragmental greenstone and related diorite
		TRbl	Limestone, calcareous sandstone, siltstone and conglomerate and skarn
		TRbs	Green and maroon tuffaceous sandstone, siltstone and hornfels
		TRba	Dark gray to black siltstone and argillite
		TRbbx	Chert breccia or sharpstone conglomerate and minor tuff, tuffaceous siltstone, sandstone & breccia & maroon & green limestone-cobble conglomerate
Unconformity			
Carboniferous or Permian	Attwood Group	Pa	
		Paa	Black cherty siltstone and argillite
		Pal	Grey to white limestone, cherty limestone and minor dolomite
		Pav	Andesitic volcanics
	Fault contacts		
	Knob Hill	Pkc	Chert, grey argillite, siliceous greenstone and minor limestone
		Pkv	Greenstone, pillow lava and breccia, amphibolite and minor limestone
		Pkx	Fine chert breccia and conglomerate
		Pkm	Grey and green schist and phyllite , buff to white quartzite, minor crystalline limestone, white dolomite, fine grained calcsilicate gneiss, quartz biotite gneiss and amphibolite
	Serpentinite	sp	Serpentinite and listwanite
	Old diorite	od	Coarse and fine grained hornblende diorite

## 7.2. Property

The property is underlain by rocks confined to sections of three thrust sheets related to the Jurassic-aged Mt Attwood, Lind and Snowshoe Thrust Faults.

The southern part of the property is underlain by stratigraphy preserved in the upper plate of the north dipping Mt. Attwood Fault. Rocks here are predominantly siltstone, cherty siltstone and minor sandstones and greenstones of the Permian age Attwood Group. This stratigraphy is intruded by small plugs of quartz diorite related to the Jurassic and Cretaceous-aged Nelson Plutonic Complex.

The bulk of the property is underlain by stratigraphy preserved in the north dipping Lind Creek thrust sheet. Permian aged Knob Hill Group rocks of greenstone, pillow lava and breccia and serpentinite are intruded by the Old Diorite complex of coarse to fine-grained hornblende diorite laced with feldspathic veinlets. A series of medium to coarse-grained monzonite to monzodiorite to dark green diorite to amphibolite sills cut fine-grained dark green volcanics and massive dark green microdiorite. The composite intrusion is spatially associated with the east-west oriented Jurassic-aged Lind Creek thrust fault commonly marked by serpentinite bodies. The serpentinite bodies are postulated to be part of a disrupted ophiolite sequence. A large body of serpentinite in the southeast corner of the property exhibits four northwest trending fingers of serpentinite extending from the main mass. As serpentinites in this district often demarcate faults by squeezing in and along them, the four fingers probably reflect unmapped thrust splays or faults, one of them closely associated with the robust sulfide vein system on the property.

In the immediate area of the robust sulfide vein system, medium to coarse-grained dark green diorite to monzodiorite outcrop dominantly east of the Winnipeg shaft, dark green coarse-grained amphibolite near the Winnipeg workings and pale grey porphyritic monzonite closely associated with the mineralization. The diorite to monzodiorite often occurs in step-like exposures suggestive of a series of dykes. Drill data supports this interpretation. A sample of diorite from core was dated by Church (1986) at 258 +/- 10 Ma, thus maps this unit as the Old Diorite of Permian-aged Knob Hill Group. The amphibolite thought to be a phase of the diorite intrusive occurs only in drill core. This unit is also closely associated with veining and looks much like the amphibolite found adjacent to stopes in the Rosslund camp. The Monzonite porphyry is commonly strongly altered and pyritic. It weathers recessively compared to the diorites so is only seen in core and trenches. This unit is also similar to intrusive rocks in the Rosslund where it has been linked genetically with the mineralization (5.4 million tonnes grading 16.1 g/t Au) (Höy and Dunne, 1997).

The multi-phase intrusive described above cuts fine grained sulfidic strongly chlorite-sericite altered pyroclastics and rhyodacite, undifferentiated strongly chloritic altered greenstone and augite porphyry. The age of the volcanics is uncertain but is likely the Knob Hill Group or Brooklyn Formation (Church, 1986, Fyles, 1990) which may be analogous to the Elise Group of the Jurassic-aged Rosslund volcanics (Little, 1983).

Serpentinite exposures are rare due to their recessive character. Trenching has exposed more serpentinite but serpentinite is common underground and from drill core on the property. A 50 m thick sub-horizontal but undulating serpentinite unit occurs approximately 75 m below the surface and forms the footwall to the robust vein system on the property. For a 100 m segment, this serpentinite body becomes steeply north dipping. This main flexure of the serpentinite's upper contact corresponds to the thickened richer part of the King vein. Other serpentinite

contacts on the claims exhibit similar associations to mineralization but have received less exploration. Additionally, late shallow dipping mineralized detachment faults are present and may offset principal veins as well as be important mineralized targets.

Volcanics, various intrusive phases, and to a lesser degree serpentinite, host numerous gold bearing massive sulfide veins composed of pyrrhotite-pyrite and lesser chalcopyrite.

The third thrust sheet related to the Snowshoe Fault preserves Triassic stratigraphy of the Brooklyn Formation and Knob Hill Group in the northeast and northern part of the property. Brooklyn Formation chert breccia, minor tuff and dark grey siltstone are unconformably underlain by Knob Hill chert, argillite, greenstone and chert breccia.

## **8. DEPOSIT TYPES**

### **8.1. Rossland-Type Veins**

It has recently been recognized that some of the vein systems in the Greenwood Camp are intrusive – related, Au-Cu pyrrhotite veins consistent with the Rossland-type veins (Hoy and Dunne). The Rossland Camp 45 km east of the property is the second largest gold producing camp in British Columbia having produced in excess of 2.7 million ounces of gold at a grade of about 16.1 g/t Au.

In the central area at Rossland, 20 individual massive sulfide (pyrrhotite-chalcopyrite-pyrite) veins and quartz/quartz-sulfide veins occur within an area of 1.3 by 0.5 km. The veins are closely spaced, en echelon in character that laterally grade eastward from Au-Cu veins to Cu-Au-As veins. Mineralization is the result of hydrothermal solutions related to the Jurassic-aged Rossland monzonite which is emplaced along an east-west Jurassic-aged thrust fault. The thrust fault is locally marked by massive serpentinite. The veins are hosted in Rossland monzonite, Jurassic-aged Rossland sill of diorite and related amphibolite, augite porphyry and pyroclastics. Widespread chlorite alteration occurs in the volcanics and pyroclastics, intensifying proximal to the veins to sericite-pyrite.

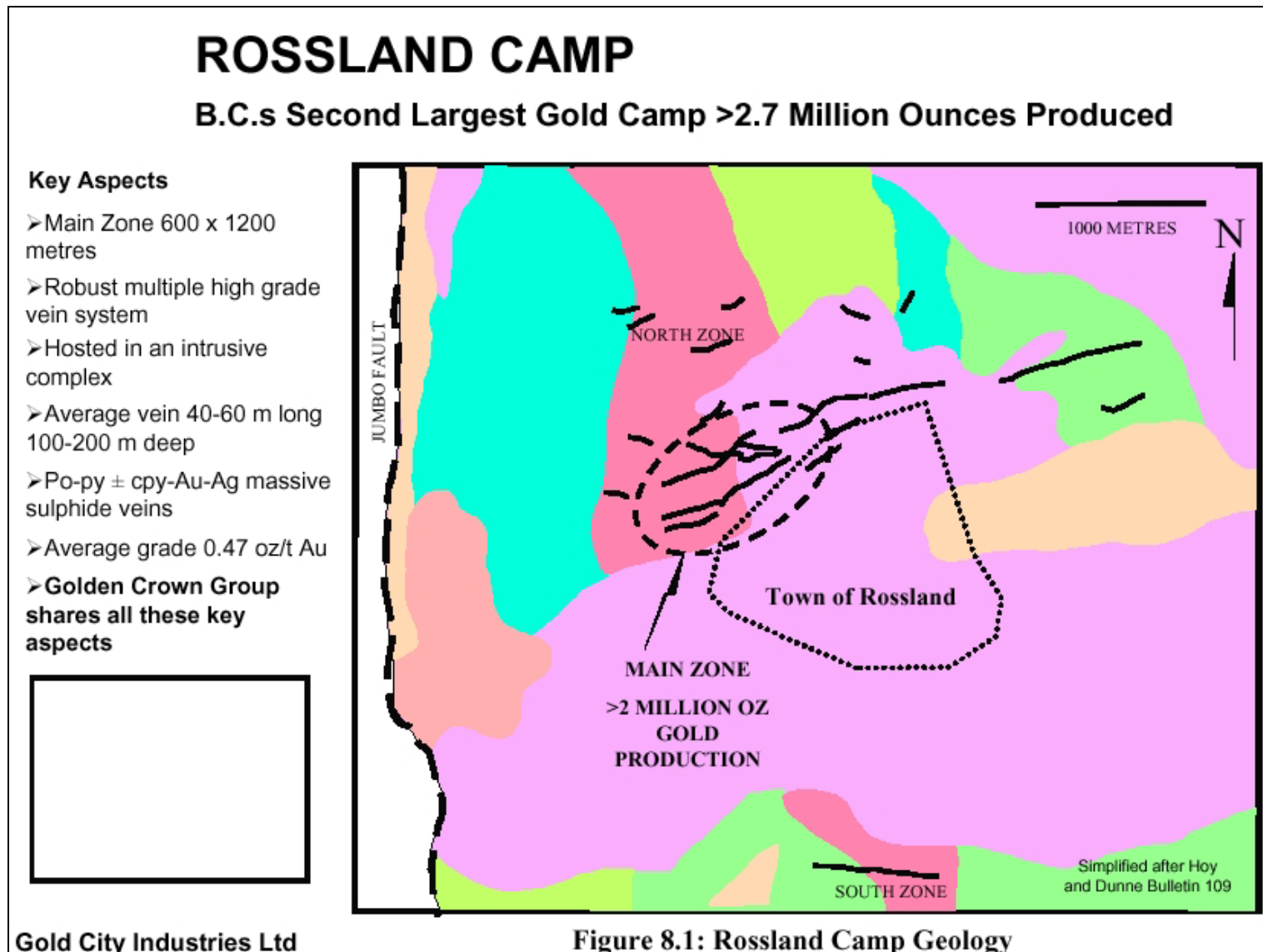


Figure 8.1 Rossland Camp Geology

## 8.2. Lexington's Grenoble Deposit

On the Lexington-Lone Star Property 9.5 km from Greenwood, the Grenoble deposit has some similarities to the mineralization at the Golden Crown Property.

The geological setting of the Lexington Property is dominated by a major 600 m wide tectonic shear zone, the No. 7 Fault. The structure is a north to northwest trending arcuate feature and moderately east to northeast dipping. The No. 7 Fault is one of a series of Jurassic-aged thrust faults in the Greenwood area juxtaposing late Paleozoic Knob Hill and Attwood Group, Triassic Brooklyn Formation and Eocene-aged stratigraphy. These thrusts are often marked by serpentinite bodies. Within the No. 7 Fault zone there are two sheets of serpentinite separated by a "Dacite" package. The "Dacite" package previously named the Lexington Porphyry is composed of altered porphyries, volcanics and volcanoclastics of intermediate composition. This serpentinite-dacite-serpentinite sequence is continuous from the Lone Star Mine, Washington in the south, through the Grenoble deposit to the No. 7 Mine in the northwest and forms the host of the numerous mineralized zones on the property. It is speculated that the western bounding Bacon Creek Fault of the Republic Graben active in Tertiary time joined with the No. 7 Fault just southwest of the Lone Star pit, reactivating the No. 7 Fault during the same Tertiary faulting event possibly representing a northern extension of the Graben into Canada.

Old workings, a recent 900 m long decline and about 530 diamond and percussion drill holes have defined 11 mineralized zones along a 5 km trend across the Lone Star and Lexington Properties, all related to the No. 7 Fault and the stratigraphy described above. These include four past producing copper/gold mines (Lone Star, City of Paris, Lincoln and No. 7) and seven gold/copper exploration prospects. The two principal mineralized zones in the trend are the Grenoble deposit and the Lone Star Mine, although there is good exploration and resource building potential in all zones. The Grenoble deposit and the Lone Star Mine are focused at or near the Lower Serpentinite/Dacite contact and are composed of massive pyrite-lesser chalcopryite (and rarely magnetite) veins, veinlets and disseminations. Porphyry copper-molybdenum-gold style mineralization and massive quartz veins with copper and gold are also present in the trend.

The Grenoble deposit is now interpreted to be a series of shallow to moderately dipping en echelon overlapping zones hosted within the basal dacitic pyroclastic unit to the "Dacite" unit. To date, eight zones are confined to an area 375 m along its long axis, 20-60 m wide normal to the long axis and 25 m thick vertically. It is interpreted that the "Dacite" unit is within an upper thrust plate slid over serpentinite and that the Grenoble zones are structural replacement mineralization within the basal part of this upper plate. The Grenoble deposit, discovered in 1969, has received 54 surface, 48 underground diamond drill holes and a 3 X 3.6 X 900 m long decline with three cross-cuts. The property has received in excess of \$7.5 million of expenditures to date.

In fall 2003, GC completed 6 HQ diamond drill holes confirming these interpretations and is proceeding with additional metallurgical testing from this HQ program to optimize the mill flowsheet for mill and tailings permitting. A conceptual mine plan has been prepared by Jim McCormick. A permit to dewater the decline and a 10,000 tone bulk sample permit has been granted on the Grenoble deposit. GC rehabilitated the portal and initial 25 m of timbering in October 2003 to allow safe underground access.

In 1995, a qualified person, Mat Ball, P.Geo., performed a resource estimate of 86,113 tonnes grading 10.2 g/t Au and 1.49% Cu from the Grenoble deposit. This is not a declared resource on the property and should not be relied upon but remains a historic figure.

In May 2004, Snowden estimated Lexington's Grenoble deposit resources at a cutoff grade of 6 grams gold equivalent/tonne. Snowden defined 152,600 tonnes of Indicated Mineral resources at grades of 10.3 g/t Au and 1.6% Cu or a gold equivalent of 13.8 g/t. Inferred Resources were estimated at 58,300 tonnes grading 10.2 g/t Au and 1.7% Cu or a gold equivalent of 13.8 g/t at the same gold equivalent cutoff grade.



## 9. MINERALIZATION

### 9.1. Regional

The Greenwood area is a strongly mineralized region, ranking sixth largest in gold production in British Columbia with 1.3 million ounces of gold (Table 9.1). Much of the production was from the Phoenix copper-gold skarn, 1 km north of the Golden Crown Property. The Republic district of northern Washington, USA 50 km south of the claims, has produced 2.5 million ounces of gold from epithermal deposits with grades typically better than 17 g/t Au. Together with recent exploration discoveries immediately south of the border (approximately 10 new mines discovered in past 20 years including Lamfoot: 2 million tonnes grading 7 g/t Au (mined), Crown Jewel: 7.2 million tonnes grading 6 g/t Au (unmined), Golden Eagle: 10 million tonnes grading 3.4 g/t Au (unmined)), past production and resources of the area between Greenwood and Republic exceed 7.4 million ounces of gold. Figure 9.1 and Figure 9.2 identify past gold producers and resources in the region. The Republic District is geologically and structurally similar to the Greenwood District. Greenwood District has not received the same amount of exploration activity as the Republic District partly because of unconsolidated land packages in the Greenwood Camp. Furthermore, the Rossland mining camp 50 km east of the claims has produced 2.5 million ounces of gold from similar veins and geology to that on the Golden Crown Property (Figure 8.1).

It is suspected that some if not all of the gold in the Phoenix skarn may have been introduced in Tertiary times along steeply dipping fractures sets related to Tertiary extension. George Stewart (pers. com.) found while sampling in the pit walls of the Phoenix skarn that much of the skarn mineralization was barren of gold except for sub vertical sulfide veinlets cutting the skarn which returned high gold values.

**Table 9.1 Gold Production in B.C. (Schroeter, 2003)**

Rank	Camp	Gold Production
1	Bralorne	4.2 million oz
2	Rossland	2.5 million oz
	Republic	2.5 million oz
3	Hedley	2.5 million oz
4	Eskay Creek	2.3 million oz
5	Premier	2.0 million oz
6	Greenwood	1.3 million oz

There are a number of mineralizing styles and models in the Republic/Greenwood Districts. They are:

1. Gold and Copper-Gold Skarns: Fe-Cu massive sulfide/oxide horizon in Brooklyn Fm. Present in all major "skarn" deposits in the district. Examples are:
  - a. Phoenix 27 million tonnes grading 0.9% Cu, 1.12 g/t Au
  - b. Motherlode 4.2 million tonnes grading 0.8% Cu, 1.3 g/t Au
  - c. Crown Jewel (Buckhorn Mtn.) - unmined 7.2 million tonnes grading 6 g/t Au

2. Mesothermal Quartz Veins with Gold (+/- Ag, Pb, Zn). Examples are:
  - a. Providence Mine 10,500 tonnes grading 17.5 g/t Au, 4060 g/t Ag
  - b. Dentonia 124,000 tonnes grading 9.9 g/t Au
  - c. Camp McKinney 125,000 tonnes grading 20.4 g/t Au
3. Epithermal Quartz Veins commonly in the Republic District and often marked by the paleosurface between the Eocene Marron and Kettle River Formations and the overlying Oligocene Klondike. Examples are:
  - a. Mountain Formation Knob Hill Mine
  - b. Emanuel Creek,
  - c. Union Mine 122,500 tonnes grading 14 g/t Au, 353 g/t Ag,
  - d. Picture Rock Quarry
4. Cretaceous – Jurassic Alkaline Intrusives with Cu-Au-Ag (+/- PGE's) with a strong spatial association between these intrusives and Jurassic thrust faults. Examples are:
  - a. Lexington-Lone Star alkaline porphyry type mineralization
  - b. Franklin Camp, Sappho cpy rich shears with PGE's and Au
  - c. Golden Crown, Wildrose and Rossland type veins close spaced, parallel, en-echelon veins of gold in massive pyrrhotite-pyrite-chalcopyrite veins & quartz veins. Veins associated with Jurassic intrusives~ 2.5 million oz Au from these veins at Rossland
5. Gold Mineralization Associated with Serpentinite related to #3, #4 because an association with structure = an association with serpentinite. Known bodies of mineralization have traditionally been small, but often high grade. Examples are:
  - a. Athelstan – Jackpot Property. Gold in massive arsenopyrite + pyrite in listwanite. Historical production 33,000 tonnes grading 5.4 g/t Au
  - b. Grenoble Zone: Indicated Resource 152,000 tonnes grading 13.8 Au equivalent. and Inferred Resource 58,300 grading 13.8 g/t Au equivalent.
6. Gold-bearing volcanogenic magnetite-sulfide mineralization. Syngenetic mineralization within the Triassic Brooklyn Formation. Gold bearing massive magnetite and sulfides along the same stratigraphic horizon. At least some of the gold is attributed to a late stage epigenetic (Jurassic or Tertiary) event. Examples are:
  - a. Lamfoot: 2 million tonnes grading 7 g/t Au
  - b. Sylvester K Up to 12 m wide grading approximately 10 g/t Au, Gold in massive sulfides & in sulfidic footwall

## 9.2. Property

A corridor of west northwest trending sub parallel and closely spaced steeply dipping massive sulfide and quartz-sulfide veins occur in the southeastern part of the property as part of a 4 km long gold/copper system defined by drill hole intercepts, trenches, gold soil geochemical anomalies and geophysical (VLF) anomalies. The core of the known vein system lies within an area 130 m wide by 800 m long. As many as 10 discrete veins have been identified in the heart of the system. A plan map (Figure 9.3) and a schematic cross-section is provided (Figure 9.4). The parallel, close spaced character of the veins, lack of geological data between veins and poor survey control of holes prior to 1990 has made interpretations somewhat uncertain as to

which intercept pertains to a particular vein. There have been at least two campaigns of digital data review and corrections done by Attwood and Century Gold Corp, 1990 and 1999, which have improved the database status, including resurveying identifiable holes.

Figure 9.5 shows a plan of the underground workings and Figure 9.6 demonstrates the extent of drilling in the heart of the vein system.

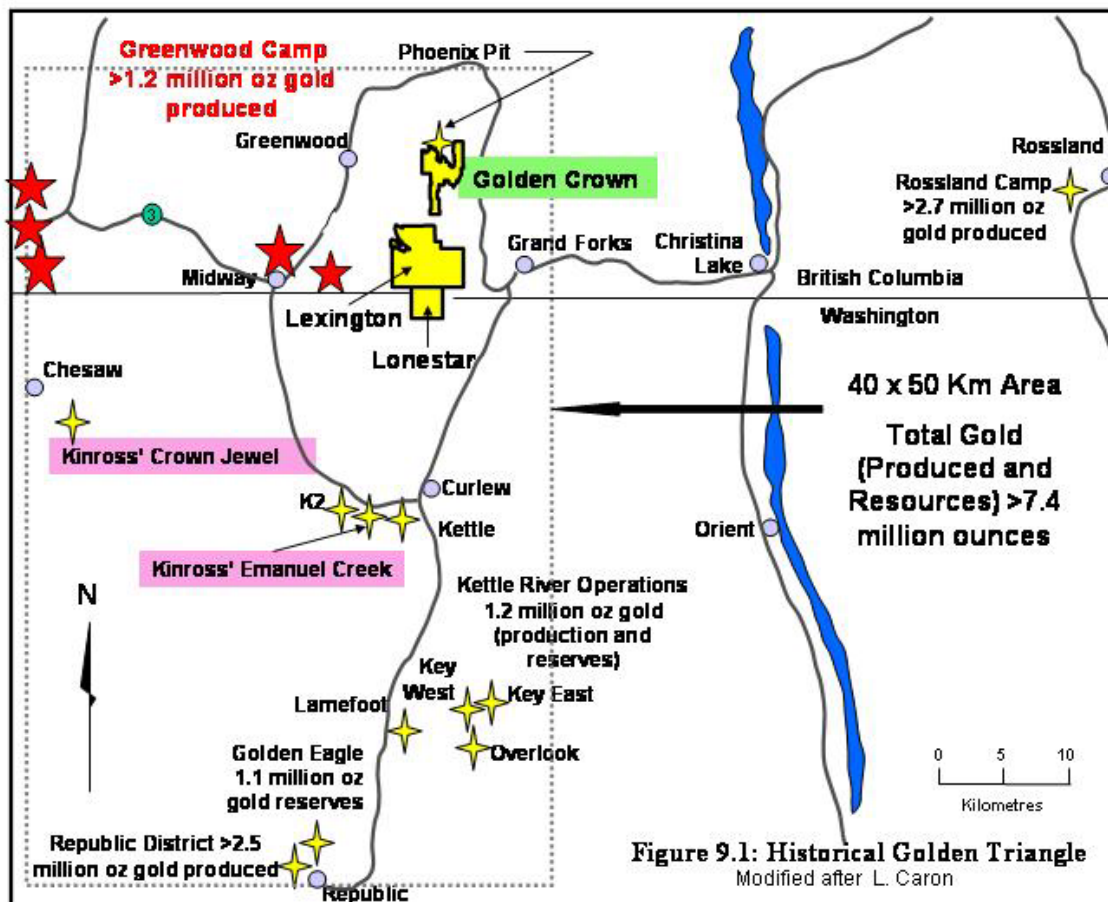


Figure 9.1 Historical Golden Triangle

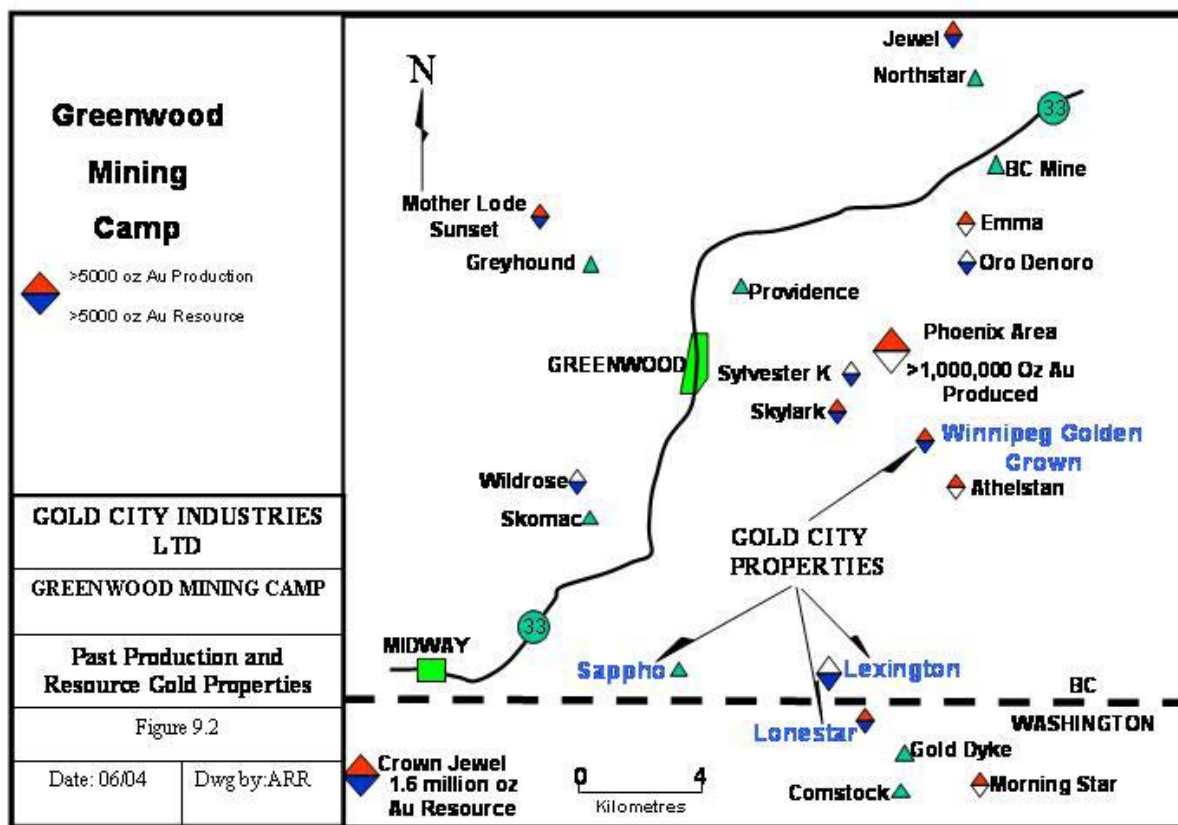


Figure 9.2 Greenwood Mining Camp

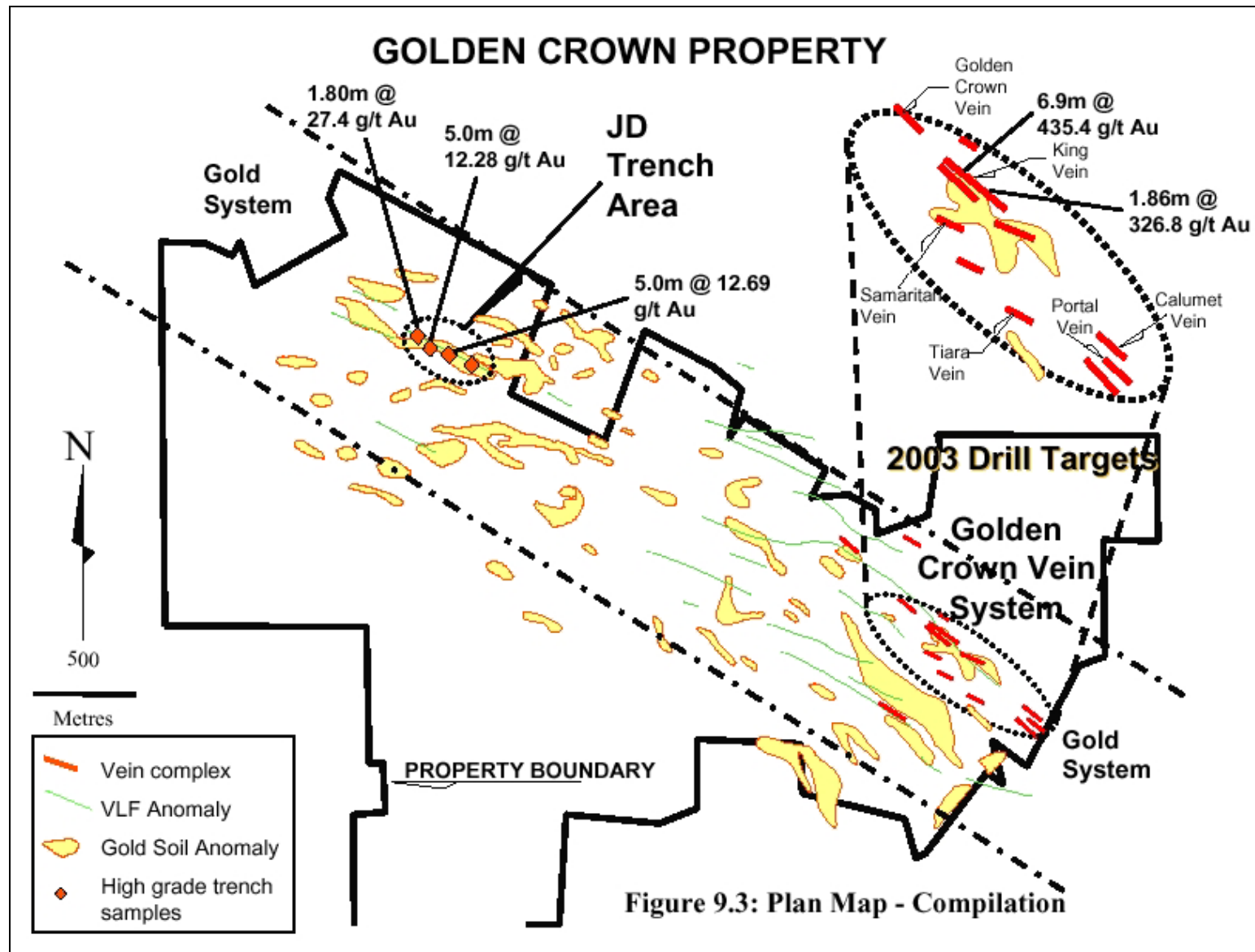


Figure 9.3 Plan Map - Compilation

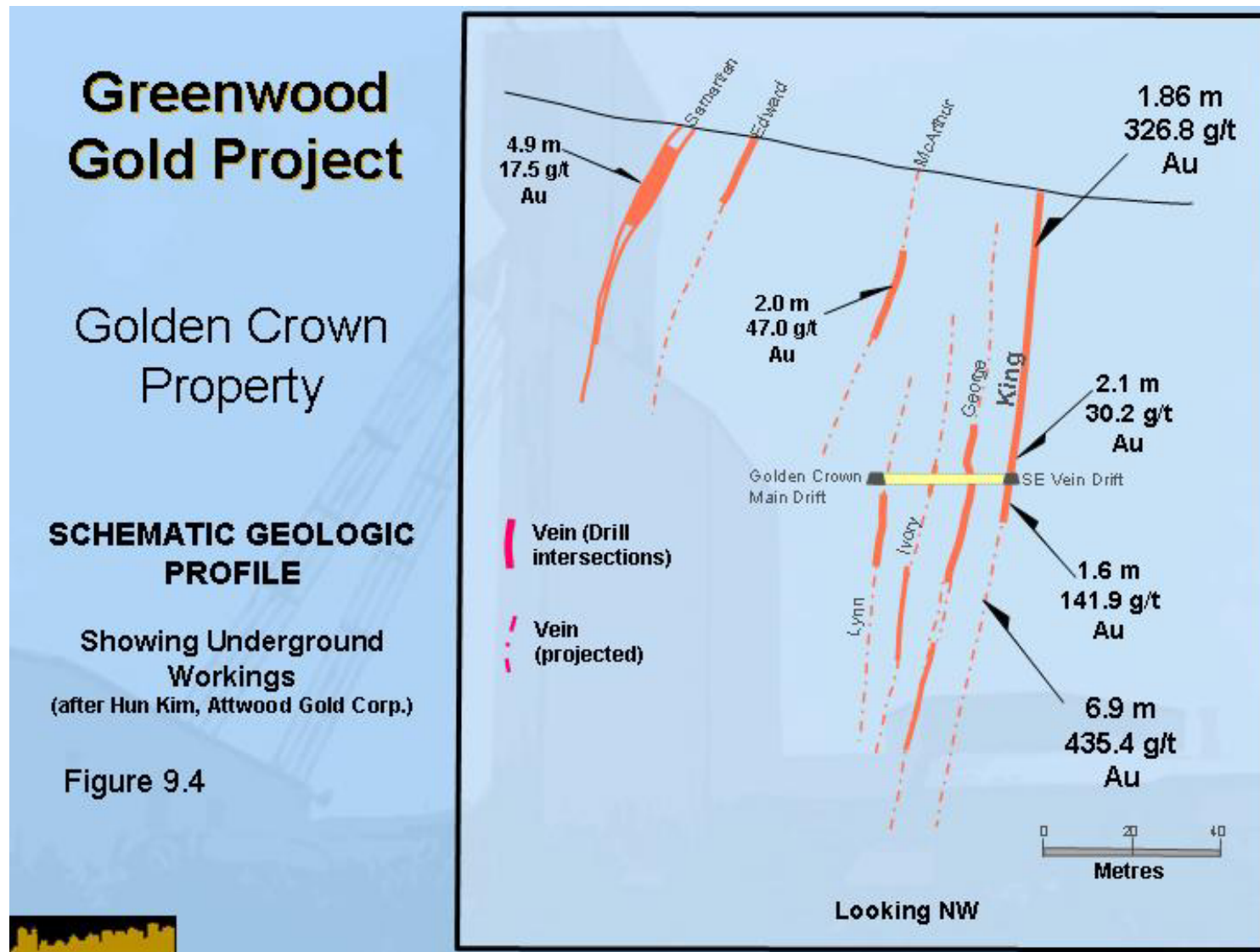
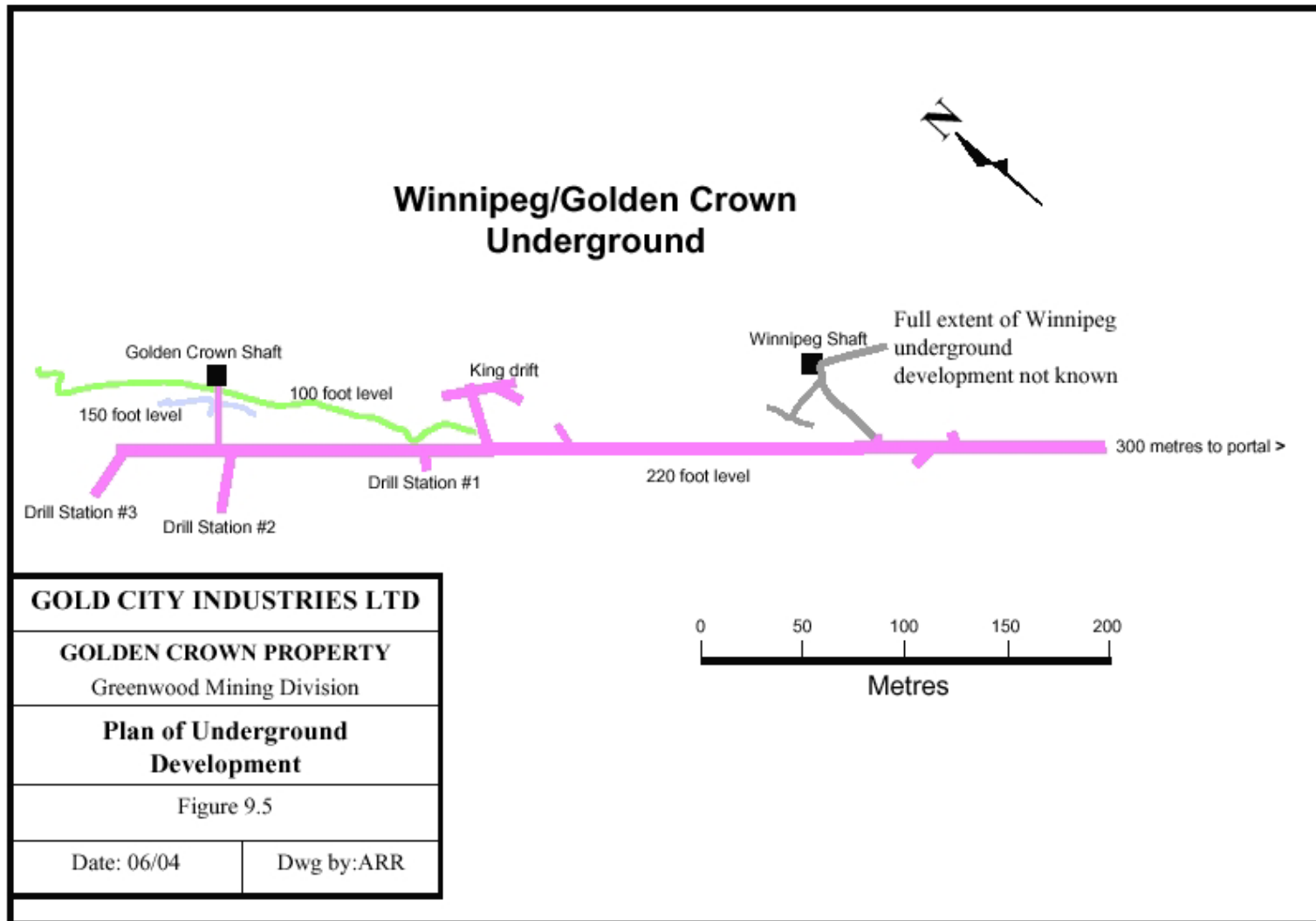
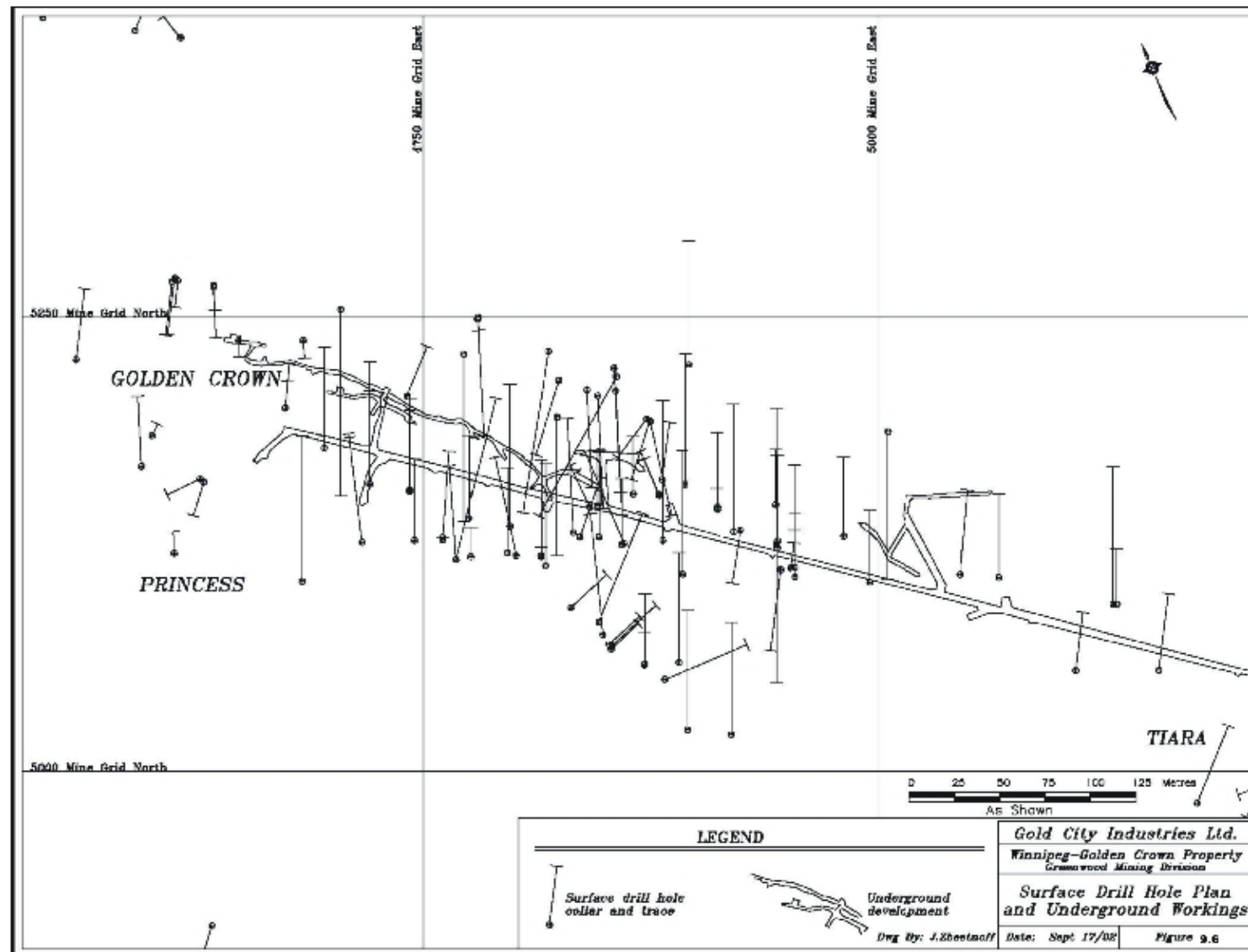


Figure 9.4 Schematic Geologic Profile



**Figure 9.5 Plan of Underground Development**





**Figure 9.6 Surface Drill Hole Plan and Underground Workings**



The veins are generally sub parallel and closely spaced, trending west northwest and steeply dipping. Veins typically are 1-2 m true width, with local developments to 5 m true width near the serpentinite contact. Veins range greatly in sulfide content but generally contain 50-90% sulfides of pyrrhotite-pyrite and lesser chalcopyrite, with very local arsenopyrite in a quartz gangue. However, quartz veins with very low sulfide content are also present. Both vein types can carry high gold tenor. According to metallurgical testing the bulk of the gold is free and associated with pyrite. Laterally, the vein system appears to be zoned or may result from two separate mineralizing events. The veins in the eastern part of the claims exhibit a Au-Cu (+/- As-Sb) affinity whereas veins in the west, in the direction of the Phoenix skarn, have a Au-Ag-Cu (+/-Bi, Mo, Co, As) affinity.

Wallrock alteration to veins is highly dependent on host rock. The fine-grained pyroclastics and porphyry hosts which are regionally strongly sericite-pyrite altered become more intensely altered adjacent to veins. Diorite, microdiorite, augite and serpentinite hosts exhibit very little wallrock alteration.

GC has interpreted 14 sub parallel steeply dipping veins identified in the resource calculation. The veins from north to south are within the Golden Crown, King, George, McArthur, Samaritan, Portal and South Zone vein systems. The veins are generally 15-25 m apart. Veins can be locally developed, reappearing along their strike length. Each vein appears to maintain a fairly predictable hangingwall distance relative to the northernmost vein, the Golden Crown Vein. The veins will be described from footwall to hangingwall (north to south) which does not reflect the order of importance in the system.

### **9.3. Golden Crown Vein**

A total of 2,488 tonnes grading 15.4 g/t Au and 1.5% Cu were reportedly mined from the Golden Crown Vein, although the extent of workings and dumps suggest more. Production came from a steep south dipping vein averaging 1.5 m in thickness, via three stopes on the 100 foot level within 55 m of the shaft.

A 1998 and 1999 trenching program exposed a quartz-pyrite-pyrrhotite-chalcopyrite vein for a 50 m strike length immediately west of the Golden Crown shaft dump. The vein averaged 1 m in thickness and has variable sulfide content from 20 to 90% and is believed to be the surface expression of the Golden Crown Vein. Surface sampling of the vein returned values under 5.1 g/t Au. The vein appears relatively continuous along this exposure with minor segments necking down to under 10 cm. Drill hole 76-5 returned an impressive 6.1 m grading 13.7 g/t Au at a depth of about 5 m vertical below surface. Drilling 15 m on either side of this intercept in 2003 were unsuccessful in intersecting the vein possibly as a result of fault complications and necking down.

### **9.4. King Vein**

The King Vein is the chief resource vein and is the most persistent, laterally and down-dip. The King Vein is only exposed on surface immediately west of the Winnipeg Shaft, however, the vein has been intersected by numerous drill holes. The King Vein has been drill tested to a depth of 125 m for a 50 m strike. The persistent shoot rakes 40° to the west and is open at depth. Greenstone, diorite and lesser serpentinite host the King Vein. The vein exhibits a marked thickening within and near the serpentinite contact.

The King Vein is also exposed for 38 m along its strike in the King drift where it is seen to be thin and splaying. Chip sampling of the vein returned gold values commonly between 0.1 and 0.3 oz/t but as high as 1.7 oz/t Au and 1% Cu over 0.4 m. The location of the King drift unfortunately corresponds to where the vein is poorly developed as multiple thin horse-tailed splays in comparison to drill hole intercepts above and below the drift.

Previous workers (Ford, 1990; Caron, 1999) have speculated that the King, Golden Crown and Winnipeg Veins are the same structure, drill tested sporadically for a 400 m strike length and to generally within 75 m from surface. These writers have interpreted the King Vein to be 15 m into the hangingwall of the projection of the Golden Crown Vein. The lack of outcrop and drill hole control east of the Winnipeg shaft does not allow confident interpretation of the vein predictability as is demonstrated west of the Winnipeg shaft. Further discussions on the Winnipeg Vein are presented below.

### **9.5. Winnipeg Vein**

The Winnipeg Vein was developed by the Winnipeg shaft (circa 1899, now caved) and a series of drifts, however, little is really known about them. Sketchy historic records indicate that the old timers sank a shaft on one of two veins reported separated by 80-100 feet. A production figure of 53,316 tonnes averaging 0.2 oz/t Au and 0.16% Cu was reported from the Winnipeg workings. Previous workers speculate from the extent of dumps that there was less production from the Winnipeg Vein on the Winnipeg claim and more from the Golden Crown Vein on the Golden Crown claim. The 1988 exploration drift broke into several flooded old workings connected to the Winnipeg shaft but the extent of the workings was not determined at that time.

As referenced above, previous workers had speculated that the Winnipeg Vein is the lateral equivalent of the King Vein. There is insufficient information to confirm the vein continuity, and hence it is assigned its own name as the Winnipeg Vein instead of King Vein. The problem is that fundamentally exploration drilling has been restricted near and east of the Winnipeg shaft due to the uncertainty of position and extent of the underground workings related to it. Furthermore, remnants of rock exposure in the Winnipeg shaft show a vein at the contact between a serpentinite and diorite. This would correspond with the projection of the King Vein. However, as the serpentinite forms the footwall of the King Vein, and the vein and the serpentinite dip towards each other, it seems that there is no depth room for the King Vein to develop. A deflection of the contact or offset faulting could provide a more prospective geologic setting for vein development. Regardless, there are two veins developed at and east of the Winnipeg shaft as evidenced by the historic records and the limited drilling east of the shaft. Further exploration drilling is warranted east of the Winnipeg shaft after the available data from the underground workings has been compiled and reviewed.

### **9.6. George Vein**

The George Vein lies between the King and McArthur Vein approximately 15 m to the hangingwall of the King Vein. The vein has not been seen in the exploration adit but defined only by drilling. Two examples of intercepts are 1.25 m grading 29.5 g/t Au from U88-18 and 0.91 m grading 42.9 g/t Au from U88-23. As with the King Vein, the George Vein thickens near the serpentinite contact. The thickened part of the George Vein corresponds closely with the thickened part of the King Vein.

### **9.7. McArthur Vein**

The McArthur Vein lies about 40 m to the hangingwall of the King Vein. The McArthur Vein parallels the King Vein and, at the 1988 exploration drift level, the vein occurs 15 m south of the drift where the King cross-cut diverges from the drift. There has been some production on the vein as there are some open stopes near the road that are interpreted to be from the McArthur Vein.

Good width and grade make this vein an attractive target; however, there is a point of caution as the resource is close to old workings that are not described in detail. No drilling has been done below drift level on this vein, nor has the vein been adequately tested along strike.

### **9.8. Samaritan Vein**

The Samaritan Vein been intersected by several near surface drill holes, the best intercept coming from DDH 76-2 of 4.9 m at 17.5 g/t Au. Other holes were not nearly as successful shedding doubt on the continuity of this vein. The Vein is located 50 m south of the King Vein shoot. Trenching in 1998 and 1999 uncovered a 0.75 to 1 m thick shallow south dipping mineralized fault zone that may represent the surface expression of the Samaritan vein. Sampling returned a 1050 ppb Au value, however, potential for better mineralization lies along strike of this structure.

Prior to the fall 2003 drill program, two vein interpretations were believed to exist, these being:

- A sub parallel vein to the King Vein; or
- A vein with orientation of 150° linked with other intercepts to the southeast.

The fall 2003 drilling program tested 15 m to each side of the 1976 hole with two apposing azimuth directions. Both interpretations were tested with very limited and inconclusive results.

### **9.9. Queen**

The Queen Zone was exposed in a large deep trench located opposite to the Winnipeg shaft road. A 5 m long vein was exposed and returned gold grades to 17.8 g/t Au and >2% Cu, however, no thickness was documented. Vein contacts and host rock were unclear. Several float boulders of massive pyrrhotite in the trench yielded grades up to 6.2 g/t Au and 1.1% Cu.

In 1998, the trench was re-opened at its western end and extended eastward to the main road. The Queen vein was exposed for a distance of 26 m. Exposures showed a complex zone where two faults intersected. A sub vertical north trending fault is cut by a north trending shallow west dipping mineralized fault zone, the Queen Vein. The shallow dipping fault zone is at least 2.5 m thick, comprising oxidized and intensely altered intrusive rocks, carrying pods of quartz-sulfide and massive sulfide mineralization. Sampling from this zone yielded gold values up to 4.8 g/t Au across the zone's width. Caron (1999) suggests that mapping demonstrates this shallow dipping mineralized fault zone may coincide to the Tiara and Samaritan zones.

The zone was further trenched in 1999 to test for strike length continuity towards the Tiara Vein. Two trenches confirmed a major west dipping fault similar to that found in the Samaritan, Queen, and Portal trenches (the strike orientation is not documented). The fault exposed by

these two trenches did not encounter significant mineralization. Samples collected included a maximum sample value of 1415 ppb Au, 0.9% Cu and 11.4 g/t Ag.

### 9.10. Princess Vein

The Princess Zone is located where there are several old workings and pits directly south of the main Golden-Crown – Winnipeg access road. Here, a quartz-sulfide vein is exposed and hosted by microdiorite. In 1998, a trench exposed the vein on strike, however, minimal drilling has tested this target. The vein varies from a massive pyrite-pyrrhotite-chalcopyrite vein to a quartz-sulfide vein. The vein trends 140°/75° NE with an average width of 1.0 m and is exposed for a 34 m strike length. Beyond that strike length to the northwest the structure continues as a splay of stringer sulfide veinlets. Potential exists for the structures to coalesce back into a mineralized vein to the northwest. This prediction should be considered for future exploration. The vein is open to the southeast of the trench exposure and could be tested further by trenching. Sampling of the vein exposure returned relatively low gold values, the maximum of which was 3.36 g/t Au.

### 9.11. Tiara Vein

The Tiara Vein is located about 150 m southeast of the Winnipeg shaft. The vein had been previously explored by an old trench which exposed a massive pyrrhotite body of unknown dimensions. In 1998, workers re-visited and sampled the trench, producing values of up to 12.0 g/t Au. The zone has also been tested by several short diamond drill holes that encountered thick intercepts of massive sulfides, bearing low gold values.

In 1998, the zone was trenched. The massive sulfide body is developed at a moderately to steeply dipping serpentinite-diorite contact. The trench exposed this contact for 110 m, 90 m of the contact being mineralized. The orientation of mineralized trend is variable. The north end of the exposure trends 155°/40°W but steepens toward the south end to 175°/90°.

Channel sampling in 1998 (Table 9.2) identified the following widths and grades associated with the northern and southern extents. These zones are separated by a 10 m long segment where the zone is narrower and has weaker mineralization.

**Table 9.2 Significant Tiara Vein Intercepts (1998)**

	Width	Grade
Northern Zone (28m)	0.73 m	1.31 opt Au
Southern Zone (25m)	0.9 m	0.99 opt Au

The southern part of the zone of massive pyrrhotite is up to 7 m thick but with only moderately anomalous gold values from the 1998 sampling campaign. It has been found that the hangingwall and footwall contacts of the massive pyrrhotite body are faulted, with grade considerably higher than the massive core itself. Massive pyrrhotite-pyrite from the zone can return good gold values, although not consistently. Further, it appears that the presence of fine-grained black sooty pyrite may indicate the presence of high gold values. The gold to silver ratio for the Tiara Zone is approximately 10:1. The zone is anomalous in arsenic, locally exceeding the 1% analytical limit and is accompanied by copper grades of 0.1-0.2% Cu.

At the south end of the trench, the serpentinite-diorite contact swings dramatically to the west and continues to be mineralized with values in the order of 5.1 g/t Au across a 1 m true width. This contact remains untested to the west. Anomalous gold values in soils lie on strike to the north and south of the exposure which could signify further strike length potential. Some of the soil values obtained were in the order of 187 ppb Au, 380 ppb Au, and 450 ppb Au.

A follow-up trenching program in 1999 extended the southern zone from 28 m to 41 m in length. The average width increased to 1.35 m with an average gold grade of 0.33 opt Au. Channel cuts from the southern end returned an average grade of 61.7 g/t Au across 7 m. The sites of anomalous gold values in soils referred to in the previous paragraph were trenched but without encountering any mineralization.

The successful discovery and exploration on this zone post-dates the 1990 resource estimate made by Ford.

Drilling in fall 2003 targeted this contact-related massive sulfide with 12 shallow holes. The tight spaced drilling was aimed at intersecting the 10 m, 20 m and 30 m depth projection of the vein. The vein was intersected in 3 of the 12 holes, however, the low recoveries (30% with HQ) at the contact from the Tiara drilling campaign may have underestimated the vein development. GC believes that the Tiara Vein holds potential but drilling is not the most effective mode to explore and define it. GC recommends shallow (1-3 m) trenching to get better, less oxidized and friable samples as well as to see vein development in the third dimension.

#### **9.12. South Zone**

This zone is situated about 300 m south of the main access road north of the Skeff valley. The zone was discovered by drilling a strong Electromagnetic conductor in 1986. To date, a total of eight diamond drill holes have explored the zone with two parallel veins being documented. The stronger vein averages 0.75-1.0 m in width grading 3.4 to 10.3 g/t Au. One drill hole encountered 43.2 g/t Au across 1.2 m.

In 1998, trenching exposed a 2 m wide strongly oxidized zone and a thin zone of quartz-sulfide veining 15 m to the south. Gold values up to 9.6 g/t Au were reported from the exposure. The zone is surrounded by a large gold soil anomaly 600 m long by 80 m wide where values between 50-1290 ppb Au (Figure 9.3) have been recorded. The zone is thought to be located in the upper plate of the detachment fault that hosts the Samaritan and Queen Zones. This data and interpretation suggests good potential to expand the South Zone along strike and possibly to locate additional sub parallel zones.

Trenching in 1999 on strike revealed a wide oxidized fault zone hosting narrow quartz-sulfide veins. The trench exposed the fault zone for 20 m where it averaged 1.5 to 2.0 m in thickness. A chip sample near the eastern end of the trench produced 64.1 g/t Au across a true width of 1.5 m. Another chip sample from this end of the trench returned 23.7 g/t Au across 1.7 m true thickness. Arsenic values can be elevated with values up to 0.1%.

#### **9.13. Portal Vein**

Ford interprets the vein to be steeply dipping, while Caron (1999) interprets the vein to be a shallow dipping mineralized detachment fault zone trending 140°/30° S, as interpreted from

trenches of the Queen, Tiara and Samaritan Zones. Caron's interpretation implies more continuity to the mineralization as other intercepts in the area are brought into the picture. In addition, it would imply thicker true widths than if the vein was sub vertical. Caron goes on to suggest that there is potential in the footwall of the mineralized detachment fault zone for the vein to continue as a sub vertical structure. Elevated gold in soils to 173 ppb Au over the Portal area could represent the surface expression. Trenching in summer 1999 apparently confirmed the shallow dipping mineralization (Caron, 1999a). Three trenches exposed narrow low grade gold values to a maximum of 570 ppb Au. Re-logging of old drill data by Caron supported this orientation, and suspects it to be the same structure tested at the Queen Zone.

GC believes the vein to be a composite. The vein hosted in diorite/greenstone is locally sub vertical but thickens and spreads out near the shallow dipping diorite-serpentinite contact. The fall 2003 drilling program targeted a shallow dipping contact related zone. The sub vertical drilling tested around the best intercept (5 m grading 17.1 g/t Au) but could not extend this intercept. The drilling did find narrow massive sulfide development at the contact supporting the model for the property but without economic grades and widths.

#### **9.14. Calumet**

The Calumet Zone occurs 50 m north of the portal for the 1988 exploration drift. Several old trenches and pits exposed massive pyrrhotite and quartz-sulfide veining hosted in altered volcanics. Grab samples taken from the old dumps for these workings produced a 16.1 g/t Au value. Unfortunately the old workings are now sloughed. The zone has been tested by four diamond drill holes along a strike length of 60 m with limited success. Intercepts are narrow with the best grade being 5.3 g/t Au.

Trenching in the summer of 1999 exposed a 3 m wide zone adjacent to a sloughed pit. Chip sampling produced a 9.3 g/t Au value across 3.0 m while samples taken a short distance on strike gave much lower values. The strike length of this zone is unknown. Its projection 50 m to the east runs up against the Calumet claim boundary. Caron (1999a) speculates that the Portal Fault to the west will mask the surface expression of the Calumet vein.

#### **9.15. J & R**

The J&R zone is located approximately 500 m northwest of the Golden Crown shaft. Numerous old workings occur over an exposure of porphyrite and microdiorite. The area coincides with a 300 m long gold and copper soil anomaly where gold values of 650 ppb have been recorded. There are additional soils anomalies to the west. It is speculated by Caron that the target is the western strike extent of the Golden Crown vein, representing a 300 m trace of unexplored territory between the zones. A total of 26 diamond drill holes have been located in the area of the JR target. Complete records are available for 9 of the holes while only assay data is unavailable for the remaining 17 preventing proper location and orientation of the holes. Several holes in the J&R target area have returned encouraging results. The best intercept was from 90-25 with 2.5 m grading 15.8 g/t Au and 2.8% Cu. Others include hole 84-10 with 1.52 m grading 15.4 g/t Au and hole 84-9 with 5.36 m grading 5.5 g/t Au.

Trenching in 1999 resulted in three exposures of a broad mineralized zone with multiple 0.5-1 m wide veins and a multitude of intervening veinlets. Chalcopyrite was found in the veins as well as disseminations in silicified intrusive host rock. Veins sampled separately returned up to 4.8

g/t Au, 84.4 g/t Ag and >1% Cu (assays incompletely reported). Continuous chips returned a 15 m wide zone averaging 0.25% Cu, 3.8 g/t Ag and 275 ppb Au and a 13 m wide zone grading >0.4% Cu, 5.8 g/t Ag and 408 ppb Au. This trench work appears inconsistent with the higher grade gold intercepts reported above. This suggests to P Cowley that, either a higher grade system lies below the trench level, or the gold intercepts are scattered and isolated without promise of continuity. Locating and re-logging the holes that are partially documented may provide some answers to clarify the potential of the target.

#### **9.16. Other Veins**

Kim (1989) identifies three other veins which are not identified or interpreted by Caron (1998), the Lynn, Ivory and Edward Veins. In Kim's interpretation the Lynn and Ivory Veins lie between the McArthur and George Veins. The Edward Vein lies between the Samaritan and the McArthur Veins. All three veins are defined only by drilling. Examples of true width vein intercepts obtained are:

- Ivory Vein -DDH U88-23, 1.5 m grading 23.6 g/t Au and 0.11% Cu.
- Lynn Vein -DDH 83-18, 1.0 m grading 22.6 g/t Au and 3.58%Cu (Ford attributes this intercept to the King vein).
- Edward Vein -DDH 80-12, 1.0 m grading 9.9 g/t Au and 0.108%Cu.

There are remaining doubts with the interpretations from earlier work.

#### **9.17. Main and Footwall Shears**

GC's 2003 trenching program expanded the previously tested area of the Main Shear Zone from 90 m to 300 m of the 1,000 m long soil anomaly. The program exposed the Hangingwall and Main Shear zones with 12 sub-parallel trenches spaced 25 to 35 m apart.

The Main Shear zone was exposed in nine trenches over a strike length of 250 m. The sub-parallel Hangingwall zone, 50 m to the north, was exposed in five trenches over a strike length of 200 m. Both zones are composed of semi-massive to massive sulphides within northwest trending, shallow-dipping shear zones hosted in chert and greenstone. The Hangingwall and Main Shear zones are open to the northwest. The eastern extensions, which are offset by faulting, are interpreted to continue to the southeast.

Highlighted chip samples include: 27.4 g/t gold across 1.8 m, 12.69 g/t gold across 5 m, 12.28 g/t gold across 5 m, and 8.1 g/t gold across 2 m, indicating near surface high-grade sections within a gold enriched shear system.

## **10. EXPLORATION**

Exploration programs conducted prior to the GC efforts are described in the History section. Exploration tools used in these investigations include diamond drilling, mapping, prospecting, trench excavations with mapping and sampling and grid-based soil geochemistry, and magnetics and VLF surveys.

In the fall of 2003, GC conducted a diamond drilling program. Concurrently GC completed 12 trenches 2.5 km to the west northwest along the gold/copper corridor on several north dipping shear zones. Highlighted chip samples include: 27.4 g/t Au across 1.8 m, 12.69 g/t Au across 5 m, 12.28 g/t gold across 5 m, and 8.1 g/t Au across 2 m, indicating near surface high-grade sections within a gold enriched shear system. GC also re-sampled and verified gold grades across the exposed Tiara and Golden Crown Veins.



## 11. DRILLING

### 11.1. Pre-2003 Drilling

Details of drilling done prior to 2003 are outlined in Table 11.1.

**Table 11.1 Summary of Pre-2003 Drilling**

Year	Diamond Drill Holes
1968	68-1 to 68-16
1976	76-1 to 76-5
1978	78-2 to 78-12
1979	79-1 to 79-4
1980	80-1 to 80-16
1980	JR-1 to JR-2
1981	81-1 to 81-4
1983	83-1 to 83-18
1984	84-22 to 84-26
1985	85-1 to 85-4
1987	87-18 to 87-26
1988	88-1 to 88-12 U88-1 to U-48
1989	89-1 to 89-14 U89-1A to U89-5
1990	90-1 to 90-34

### 11.2. GC 2003 Diamond Drill Program

GC conducted a diamond drilling program between October 4 and October 31, 2003 consisting of 47 oriented, HQ diameter, drill holes for a total of 2,138.7 m.

Drilling was done by Connors Drilling Ltd. of Kamloops, BC using a track-mounted BBS-25AI rig. Drilling was done on a 2-12 hour shift basis.

Core was oriented using the Easymark™ system which allows the measurement of an absolute strike and dip for any given oriented vein, contact or fault. The oriented core provided additional confidence in the interpretation of mineralized zones within the Golden Crown system.

The 2003 exploration program was supervised by the P. Cowley of GC. Core logging and sample selection was performed by Linda Caron, P.Eng., David Makepeace, P.Eng. and P. Cowley, P.Geo.

Twenty-one holes were directed at definition drilling (15 m centers) of the King Vein, covering an area of about 100 m x 80 m. The remaining 26 holes explored the Samaritan, Tiara, Golden Crown, Portal, and Calumet veins, within an area of approximately 400 m x 100 m.

Core recoveries through most targets were >90% and often >95%. However, recoveries in the Tiara and Golden Crown were locally as low as 30% recoveries.

A listing of composites from all drilling campaigns is located in Appendix A.

## 12. SAMPLING METHOD AND APPROACH

The following points describe the sampling procedures and steps taken during GC 2003 diamond drilling program:

- Core was first cleaned, organized and photographed;
- Geotechnical logging was done by a technician;
- Core boxes were properly labeled, using scribed aluminum tags that were stapled to the ends of the core boxes;
- Core logging and sample selection was performed by the geologists (Linda Caron, P.Eng., David Makepeace, P.Eng, and by P. Cowley, P.Geo);
- Rock units that exhibited sulfide content >2% were sampled in widths of 1-2 m. Sampling in massive to semi-massive sulfide vein material was essentially continuous, generally no longer than 0.5 m long but varied depending on similar mineralization characteristics or lithology. Samples of unmineralized hangingwall and footwall material was generally done at 0.5 m lengths around heavy sulfide sections;
- Core loggers measured and marked the designated "from" and "to" of each interval on the core for specific sample breaks;
- Sample tags were assigned to each interval with a corresponding tag number stapled to the box at the top of each sample;
- Every 19th of 20 sample tags were designated as a GC standard. Splitters retained the standards and placed the entire pouch of the standard into the labeled plastic sample bag in the corresponding tag order;
- Core was logged on site and later transported to the GC's Grand Fork office/facilities for cutting, sample dispatching and storage;
- Prior to cutting, the core was adjusted to identify any important fabrics;
- The core was cut in half, bisecting fabric or vein material evenly;
- Technicians were instructed to place the same side of core back into the box and the other into a labeled clean plastic sample bag;
- Sample bags were placed in address-labeled rice bags, sealed and shipped to Eco Tech Laboratory Ltd. of Kamloops, BC.;
- Sample shipment records were maintained. Records were also kept of sample preparation, analysis requested and the person intended to receive the results;
- Daily visits were made by the site geologists to the core cutting facilities to ensure the quality of the sampling was maintained; and
- No samples were cut by an employee, officer, director or associate of GC.

Snowden is satisfied that the 2003 diamond drill samples were collected according to standard industry practices.

### **13. SAMPLE PREPARATION, ANALYSIS AND SECURITY**

No information is available for drilling episodes prior to 2003.

Assay work for GC's 2003 drill program was carried out by Eco Tech Laboratory Ltd (Eco Tech) of Kamloops, BC. GC has all of the original assay certificates for the 2003 drilling.

Eco Tech's sample preparation and analysis procedures were as follows:

- Samples were crushed in their entirety to pass -6 mesh;
- The crushed sample was then split in half;
- Half of the sample was stored for Acid Base Accounting or metallurgical testing and the other half was further crushed to pass -10 mesh;
- A 250 g sub-sample was taken from the -10 mesh material and pulverized to pass -100 mesh;
- A 30 g sample was taken from the -100 mesh material and Fire Assayed (FA) with an Atomic Absorption (AA) finish for gold;
- A 15g sample was also taken from the -100 mesh material for 28 element ICP analysis;
- Selective samples were requested for screen metallic assay to determine the degree of coarse gold present and as a secondary check on samples with greater than 3 g/t gold; and
- Eco-Tech Laboratory Ltd. inserted its suite of standards for QC purposes. Also individual sample batches were subjected to 10-65% repeats (average 30%), 2-4% re-splits and 3-5% internal standards.

## 14. DATA VERIFICATION

### 14.1. Gold City Findings

GC undertook sample checks on the Golden Crown and Tiara Veins exposed in trenches. Gold values were comparable to previous workers.

### 14.2. Quality Control

GC incorporated a system of Quality Control (QC) into the 2003 diamond drilling program.

The standards material was provided by International Metallurgical Ltd. (IM) of Kelowna, BC. IM received material from the Boston Project in Nunavut. This material was from auriferous quartz veins that were noted to behave predictably. The following 2 standards were created:

- a low grade standard at 3.01 g/t Au; and
- a high grade standard at 7.85 g/t Au.

Standards were systematically inserted into the sample stream and sent to Eco Tech for analysis. Results of standards are shown in Figure 14.1 and. Figure 14.2. The figures show that the Eco Tech gold assays fall well within +/- 25% of the IM standard gold values. The range in copper results is small indicating a high degree of precision with the sampling however, the accuracy can not be determined as the standard copper standard value is unknown (thus is by definition not a standard but rather a repeat).

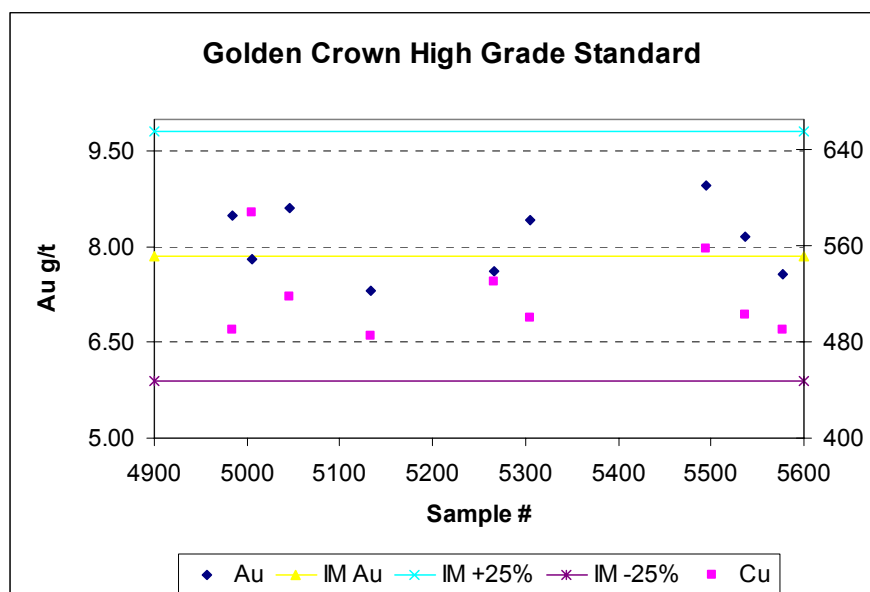
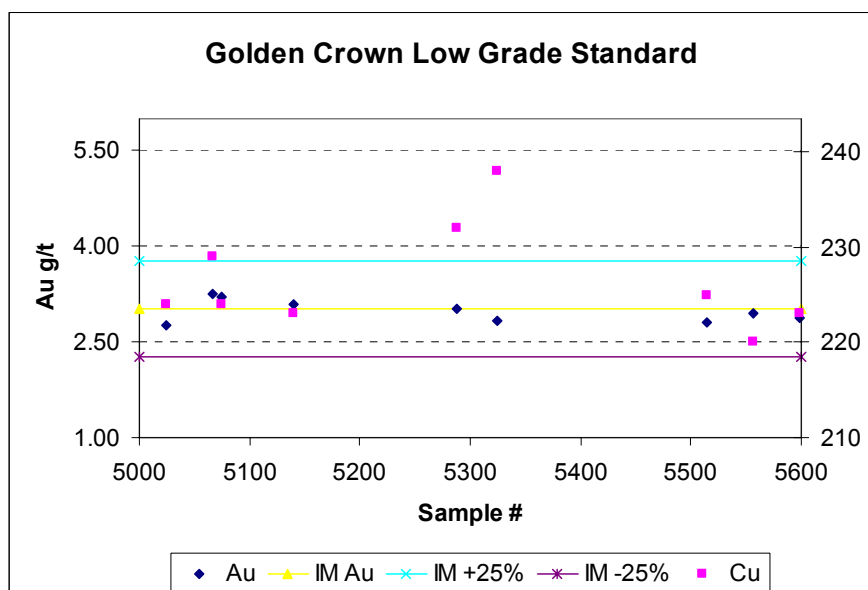


Figure 14.1 Golden Crown High Grade Standard



**Figure 14.2 Golden Crown Low Grade Standard**

### 14.3. Independent Sampling by Snowden

Snowden reviewed the quality control (QC) protocols from the available documents and at site. Sample reject material was selected subsequent to the site visit, and arranged to be sent from Eco Tech Laboratories to ALS Chemex Laboratories for the purpose of independent check analysis. Table 14.1 contains the results of the independent check analysis. Samples 4855 and 5091 are from the Lexington property and 5491 is from Golden Crown.

The original and check assay results appear to be highly variable, however this is an entirely expected result for a nuggety vein-style gold deposits.

**Table 14.1 Snowden Independent Sampling Results**

Sample #	Eco Tech		ALS Chemex		% Difference	
	Au g/t	Cu %	Au g/t	Cu %	Au g/t	Cu %
4855	17.20	1.47	6.55	1.46	-162.6%	-0.7%
5091	0.19	0.14	0.13	0.12	-46.2%	-18.5%
5491	58.40	1.26	89.6	1.19	34.8%	-5.9%

### 14.4. Assay Certificate Review

GC supplied all of the available historic data on the Golden Crown property to Snowden for data verification. This data included collar and downhole survey information; assay certificates assessment reports, memos and QA/QC results. Table 14.2 shows the number of drill holes with the various types of supporting documents. These documents were reviewed and compared to the values in the digital database.

**Table 14.2     Numbers of Drill holes with Supporting Documentation**

Logs	Surveyed	Certificates	QA/QC
123	45	95	78

Snowden's review of the assay certificates found that the transfer of data to the digital database was performed accurately and no errors were identified.

Each drill hole was assigned a code representing a degree of confidence in the primary data and this was then used to assist the resource classification process.

## **15. ADJACENT PROPERTIES**

### **15.1. Athelstan-Jackpot Claims**

The Athelstan Crown grant lies adjacent to the Golden Crown Property southeast the mineralized corridor. At Athelstan, mineralization is located in the footwall of a serpentinite and related to the Lind Creek Fault. Massive sulfide pods are known to occur within the serpentinite. Oxidized zones over the sulfide pods are reported to be up to 68.6 g/t Au but their extent and distribution are still being evaluated. High arsenic values accompany the mineralization. It is interpreted that the serpentinite formed an aquatard to ascending auriferous solutions. This position has not been tested within the Golden Crown system but should be considered a target in future exploration.

### **15.2. Grenoble Deposit**

The Grenoble deposit is interpreted to be a series of eight shallow to moderately dipping en echelon overlapping zones hosted within the basal dacitic pyroclastic unit to the "Dacite" unit. To date, the multiple zones are confined to an area 375 m along its strike, 20-60 m perpendicular to the strike and 25 m thick vertically. It is interpreted that the "Dacite" unit is an upper thrust plate slid over serpentinite and that the Grenoble zones are structural replacement mineralization within the basal part of this upper plate. The Grenoble deposit, discovered in 1969, has received 54 surface, 48 underground diamond drill holes and a 3 m x 3.6 m x 900 m long decline with three cross-cuts.

### **15.3. Lone Star Mine**

The Lone Star Mine was in operation in several phases between 1897 and 1918 and as an open pit from 1977-1978. Mineralization at Lone Star occurs within and just above the Lower Serpentinite unit as massive veins, veinlets and disseminations of chalcopyrite-magnetite-pyrite-gold much like at the Grenoble deposit. The mineralization coincides with the crest of a broad anticline. High grade and low grade copper-gold mineralization still remains at Lone Star.



## 16. MINERAL PROCESSING AND METALLURGICAL TESTING

In January 2004 a composite sample from King Vein diamond drill core (November 2003 drill program) was shipped to Process Research Associates (PRA) for preliminary metallurgical test work. The sample was composited from 03CDH-01, 03, 06, 015, and 016.

The head grade of the composite sample was as follows:

	<b>Au (g/t)</b>	<b>Cu (%)</b>	<b>Fe (%)</b>
King Vein Comp. 1	44.5	0.46	26.36

Check assays are tabled as follows:

<b>Metal</b>	<b>Units</b>	<b>King Vein Comp. 1</b>	<b>Laboratory</b>		<b>Analytical Method</b>
			<b>Name</b>	<b>ID</b>	
<b>Au</b>	g/mt	<b>44.5</b>	iPL	PO3799	FA/AAS
Au	g/mt	<b>39.8</b>	iPL	PO3798	Metallics
Au	g/mt	<b>59.1</b>	Assayers Can	4V0021PA	FA/AAS
Au	g/mt	<b>69.6</b>	Assayers Can	dup	FA/AAS
<b>Cu</b>	ppm	<b>0.46</b>	iPL	PO3799	AsyMuA
Cu	ppm	<b>0.459</b>	iPL	PO3799	ICPM
Cu	ppm	<b>0.451</b>	Assayers Can	4V0021PA	AsyMuA
Cu	ppm	<b>0.452</b>	Assayers Can	dup.	AsyMuA
<b>Fe</b>	ppm	<b>25.36</b>	iPL	PO3799	AsyMuA
Fe	ppm	<b>23.6</b>	Assayers Can	4V0021PA	AsyMuA
Fe	ppm	<b>23.9</b>	Assayers Can	dup	AsyMuA

PRA conducted 4 scoping tests comprised of gravity (Knelson, followed by panning) and flotation. The final test incorporated a cleaning scavenger concentrate, reactivating depressed pyrite from the rougher cleaner circuit. The proposed flowsheet for processing of the gold-copper ore from GC nearby Lexington deposit could be modified to include a separate rougher scavenger cleaning circuit for upgrading of gold-bearing pyrite from the Golden Crown ore. The results of the preliminary King Vein work indicate that approximately 31% of the gold reports to the gravity concentrate and 34.0% to the copper concentrate, while about 30% is recoverable from the pyrite scavenger concentrate. Overall gold losses to the final bulk tailing were less than 5%.

The third and fourth rougher cleaner concentrates from the King Vein F4 test indicate that a marketable copper concentrate with gold can be produced as follows:

<b>Product</b>	<b>Weight %</b>	<b>Assay</b>			<b>Distribution</b>		
		<b>Au (g/t)</b>	<b>Cu (%)</b>	<b>Fe (%)</b>	<b>Au (%)</b>	<b>Cu (%)</b>	<b>Fe (%)</b>
Rougher Cleaner 4 Conc.	0.9	1,761	27.9	29.2	33.6	51.0	1.0
Rougher Cleaner 3 Conc.	1.1	1,423	<b>24.1</b>	27.5	34.1	55.4	1.2

The rougher scavenger cleaner 2 pyrite concentrate produced an iron grade of 45.5% with 51.9 g/t Au.

To date no locked cycle test work has been conducted on Golden Crown samples. Additional test work will be conducted on Golden Crown material to investigate upgrading of the scavenger cleaner concentrate and reduction of copper losses in the scavenger circuit.

## 17. MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

Resource estimates were prepared using industry standard methods for this style of vein deposit. Metal accumulations for gold and copper from the drillhole intersections were interpolated in to a 2D model for each vein.

### 17.1. Available Data

GC provided Snowden with a Gemcom database consisting of survey, assay, and lithological records for 348 surface and underground diamond drill holes. The lithology codes were reviewed and standardized to maintain consistency between drill campaigns.

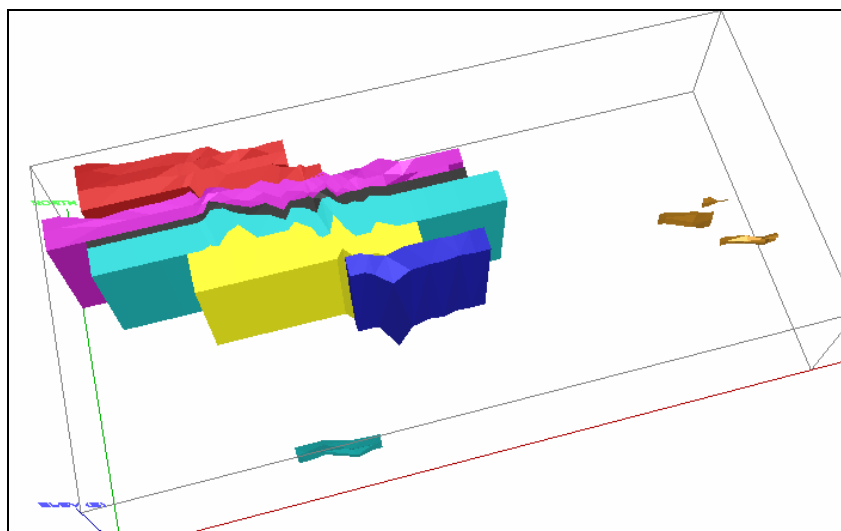
GC also provided Snowden with a digital terrain model of the surface topography and wireframes representing the underground development and lithological units.

### 17.2. Geological Interpretation

As described in Section 9, GC interpreted a series of sub parallel, closely spaced, steeply dipping quartz veins that trend west northwest. The drill data and mapping from underground permitted the delineation of 14 distinct veins and vein splays, as follows:

- 4 veins within the Golden Crown system;
- George vein;
- 2 veins within the King vein system;
- Queen vein;
- Samaritan vein;
- McArthur vein;
- 3 veins within the Portal system; and
- the South Zone vein.

Figure 17.1 is an isometric view of the interpreted corridors of vein mineralization. The red zones to the north are Golden Crown, magenta is King, black is George, light cyan is McArthur, yellow is Samaritan, navy blue is Queen, gold is Portal and cyan is the South Zone. The majority of defined mineralization is within the Golden Crown, King, George and McArthur systems.

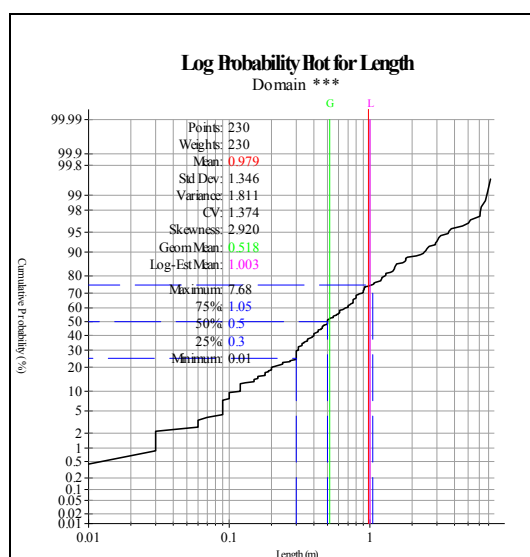


**Figure 17.1 Isometric View of Interpreted Zones of Vein Mineralization**

### 17.3. Compositing

Assays were composited over vein intervals defined by drill core logging. In several cases the historic logs did not describe vein material even where anomalous gold grades existed (a grade indicator of 0.171 g/t Au was used to define intercepts of note). These were accepted as vein intercepts and included with those intercepts clearly logged as quartz veins if they were supported by nearby recent drilling. Several large intervals were noted in historic holes however these were not included because they were unsupported by nearby, recent drillholes.

Figure 17.2 is a log probability plot of composite lengths used in the resource estimate. It can be seen that the minimum composite length is 0.01 m and the maximum is 7.68 m. The average composite length is 0.98 m.



**Figure 17.2 Log Probability Plot of Composite Lengths**

A table of all gold and copper composites used in the resource estimate is located in Appendix A. The composites are grouped according to the vein in which they occur.

The true thickness of composite intercepts was calculated using core angles and an interpreted average vein strike of  $100^{\circ}$  and dip of  $-80^{\circ}$ . Metal accumulation values were calculated by multiplying true thickness (m or 'Th') by the gold and copper composite grades as percent (%). Vein intersections were transformed into two-dimensional space by converting all northing coordinates to 5151N. These two-dimensional thickness and metal accumulation values were tagged to the appropriate 14 veins, and used in the geostatistical analysis and resource estimation.

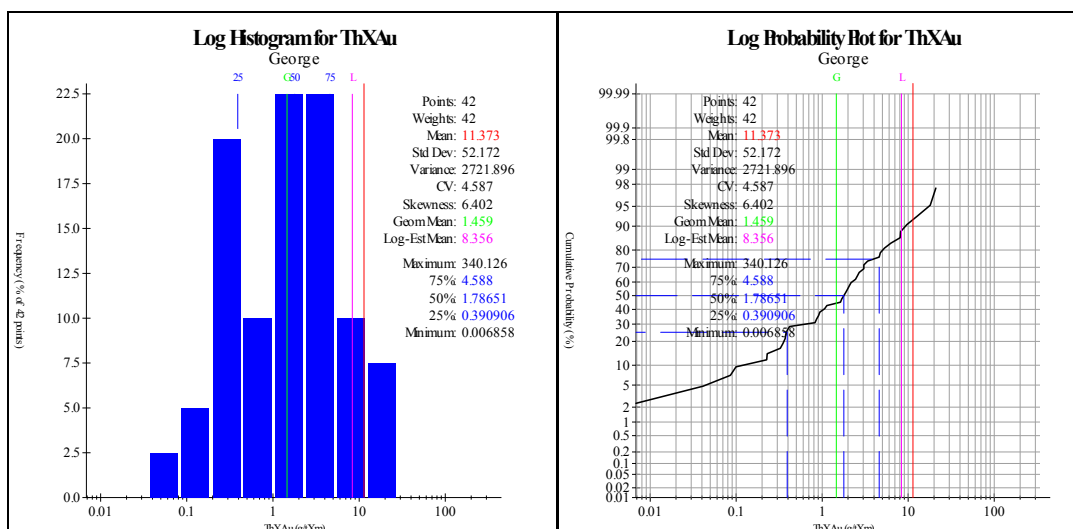
#### **17.4. Basic Statistics**

Many of the veins in the system are intersected by too few holes to enable the derivation of meaningful grade statistics. The George, King, and McArthur veins however contain sufficient composites for useful statistical analysis and are discussed below. Basic statistical plots for the other veins are located in Appendix B.

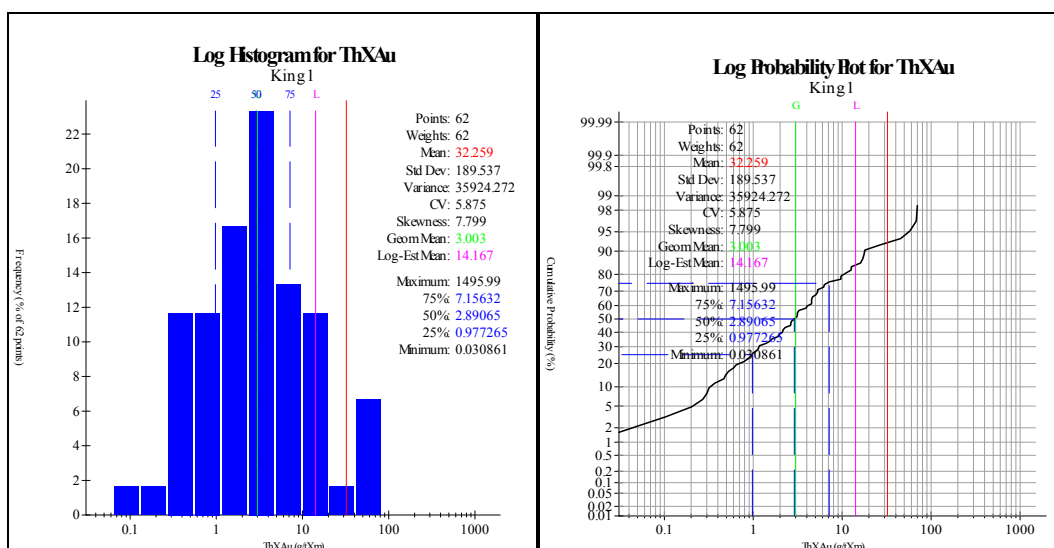
##### **17.4.1. Gold Accumulation**

Within the George, King and McArthur veins, gold accumulation values range from 0 g/t x m to 1496 g/t x m in the King 1 vein (Figure 17.3 to Figure 17.6). Average gold accumulation values range from 3.6 g/t x m in the McArthur vein to 32.3 g/t x m in the King 1 vein. Distributions are positively skewed, with a significant number of high grade outliers and evidence of mixed populations. The occurrence of high grade outliers is reflected in the relatively high coefficients of variance (COVs), which range from a low of 2.4 in the McArthur vein to a high of 5.9 in the King 1 vein.

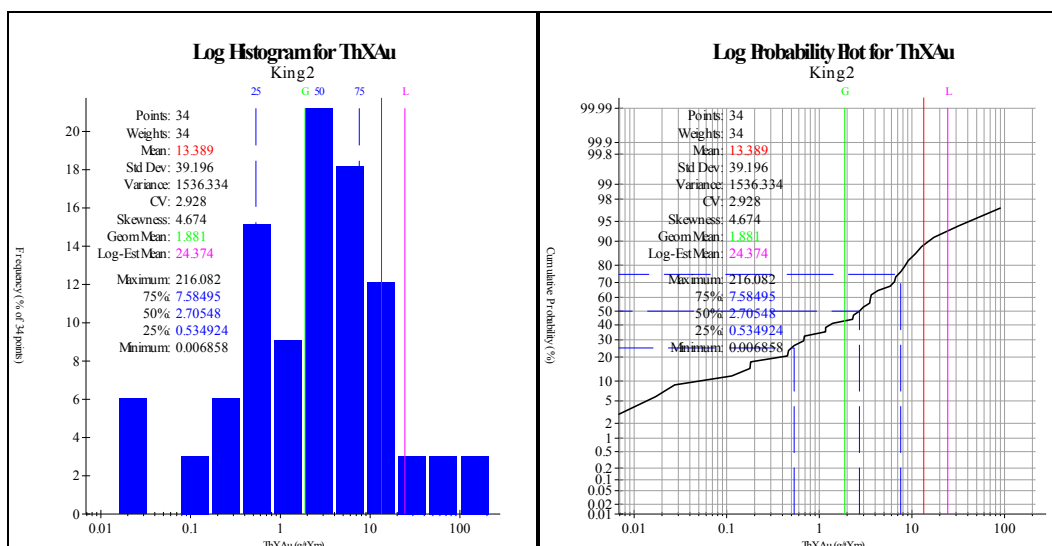
In order to reduce the impact of high grade outliers on the resource estimate, values were capped prior to kriging the grade accumulation models. The grade accumulation values for gold in all veins were capped at 70 g/t x m. This value was established by comparing the average values of the capped population with the Sichel estimate of mean values derived for the uncapped population.



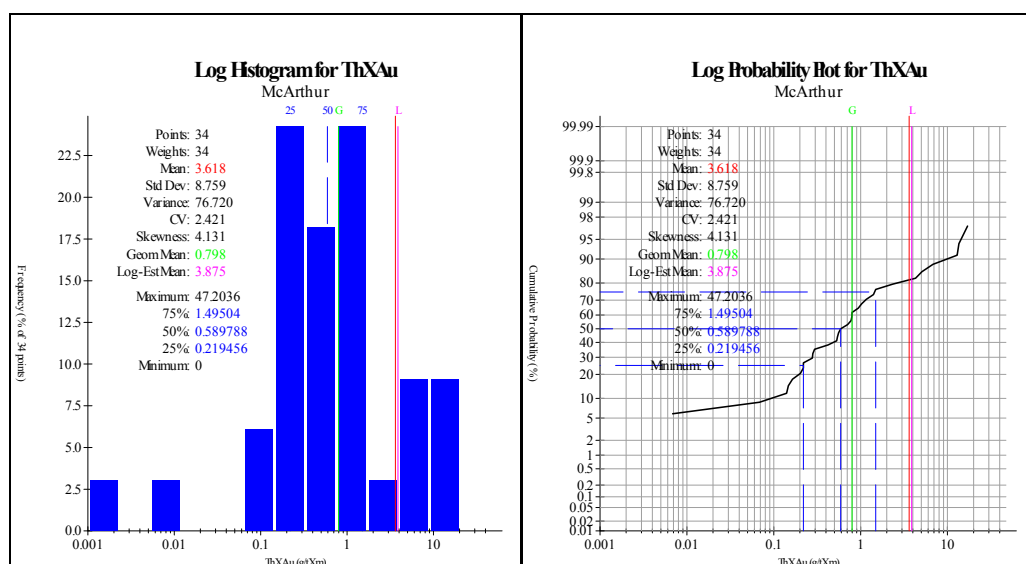
**Figure 17.3 Log Histogram and Log Probability Plot for George Vein –Gold Accumulation**



**Figure 17.4 Log Histogram and Log Probability Plot for King 1 Vein –Gold Accumulation**



**Figure 17.5 Log Histogram and Log Probability Plot for King 2 Vein –Gold Accumulation**



**Figure 17.6 Log Histogram and Log Probability Plot for McArthur Vein –Gold Accumulation**

#### 17.4.2. Copper Accumulation

Copper accumulation values within the George, King and McArthur veins range from 0 % x m to 6.9 % x m in the King 2 vein (Figure 17.7 to Figure 17.10). Average copper accumulation values range from 0.2 % x m in the George vein to 0.6 % x m in the King 1 and King 2 veins. Copper distributions are positively skewed, but with fewer high grade outliers than gold. As a result, COVs for copper are lower than gold with a low of 1.2 in the King 1 vein to a high of 2.1 in the King 2 vein.

Although the number of high grade outliers is less in copper than in gold, grade capping was necessary to reduce the impact of the high grade outliers on the resource estimate. A cap of 3.8 % x m was applied to the copper accumulation block model. This value was again established by comparing the average values of the capped population with the Sichel estimate of mean values derived for the uncapped population.

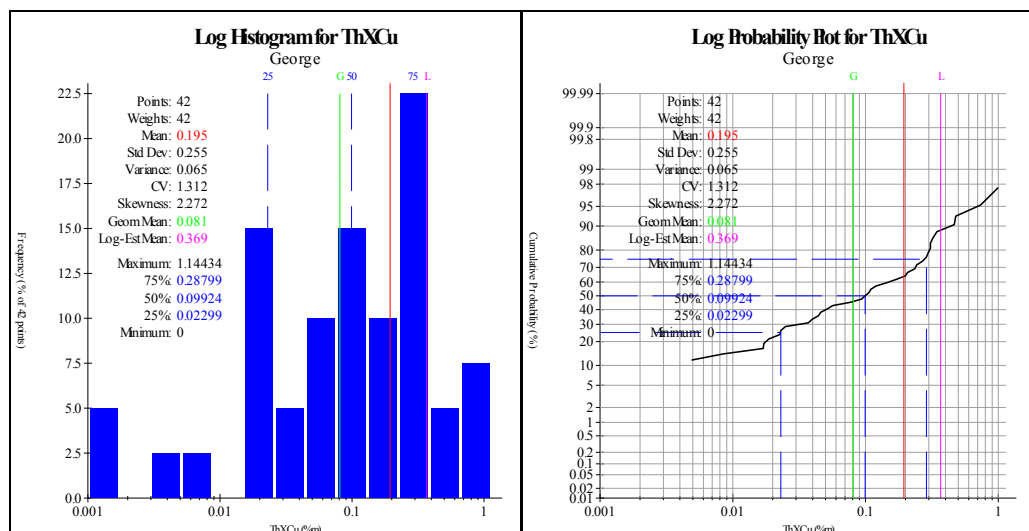


Figure 17.7 Log Histogram and Log Probability Plot for George Vein –Copper Accumulation

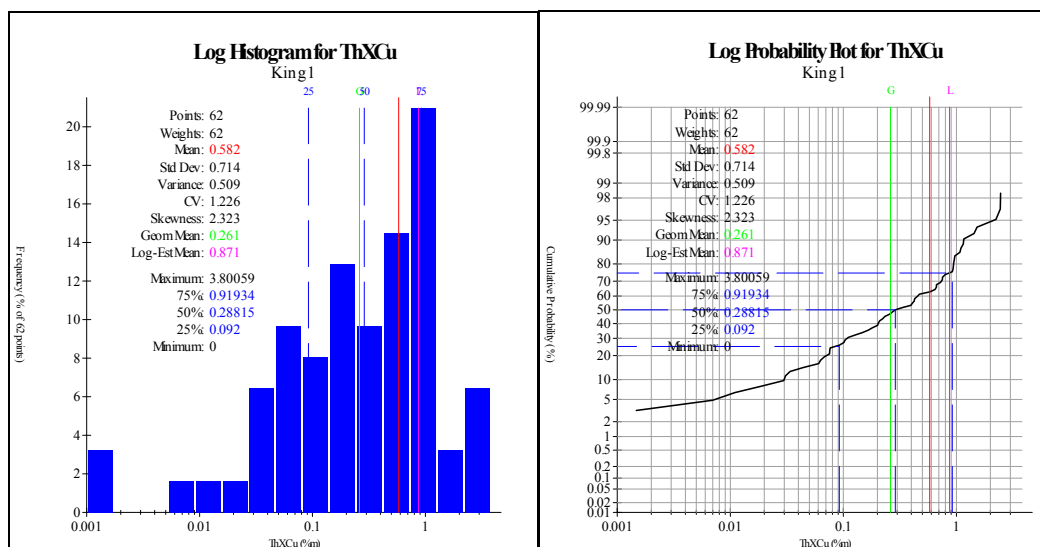


Figure 17.8 Log Histogram and Log Probability Plot for King 1 Vein –Copper Accumulation



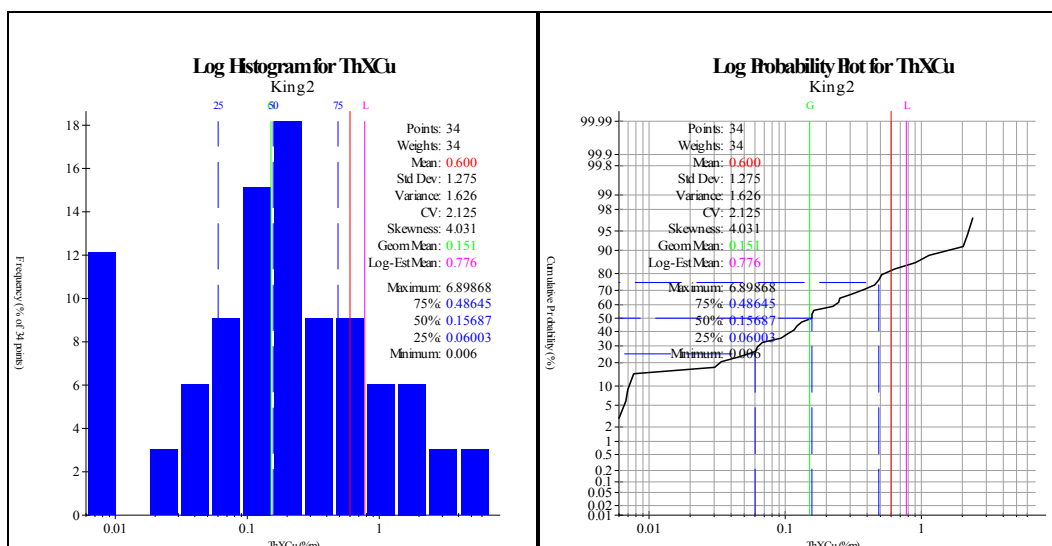


Figure 17.9 Log Histogram and Log Probability Plot for King 2 Vein –Copper Accumulation

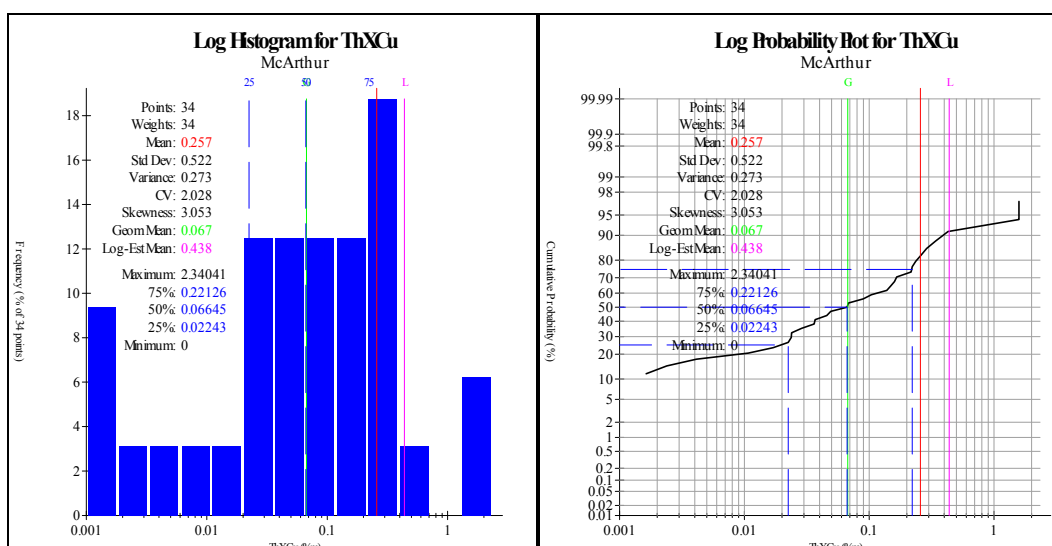


Figure 17.10 Log Histogram and Log Probability Plot for McArthur Vein –Copper Accumulation

## 17.5. 2D Geostatistical Analysis

Continuity of mineralization was investigated by variogram analysis in the plane of the vein using the transformed data. Grade continuity was therefore in 2D space with Direction 1 equal to the plunge within the plane, and Direction 2 at 90° to Direction 1. Snowden's Supervisor™ software was used for the continuity analysis.

As noted in the statistics (Section 17.4), many of the veins do not contain sufficient data for reliable analysis. As a result Snowden elected to use median indicators for the variography

analysis to improve the description of data. Continuity was assumed to be consistent in all veins.

Data from the King 1 vein was found to produce the best variograms. The parameters derived from this analysis were subsequently applied to all veins.

### 17.5.1. Gold Accumulation

The geostatistical study within the plane of the King 1 vein revealed the direction of maximum continuity (Direction 1) to be plunging 30° toward 90° (Figure 17.11). The figure shows contours of variance: blue, green and red contours indicate low, moderate and high variance, respectively. The modeled variogram for this direction is displayed in Figure 17.12 and plots for the other directions are provided in Appendix C. The maximum range of continuity in this direction is modeled at 48 m. Direction 2 (or the intermediate direction perpendicular to Direction 1) was found to be -60° towards 90°, with a maximum range of 22 m. The anisotropy ratio is therefore 2.2.

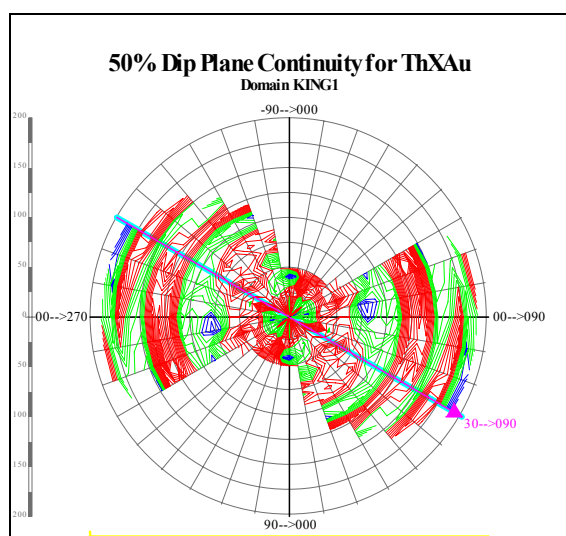
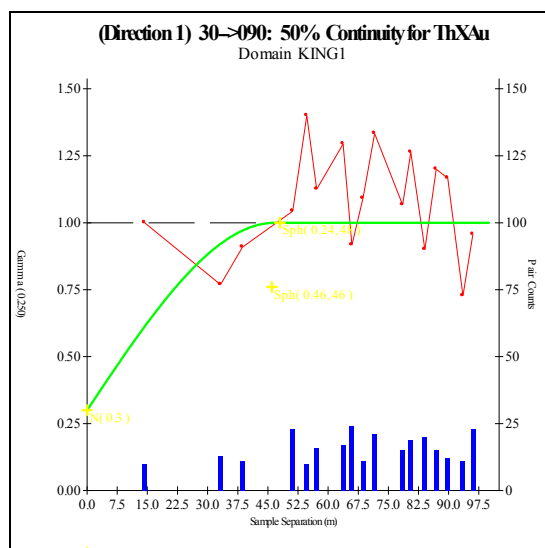


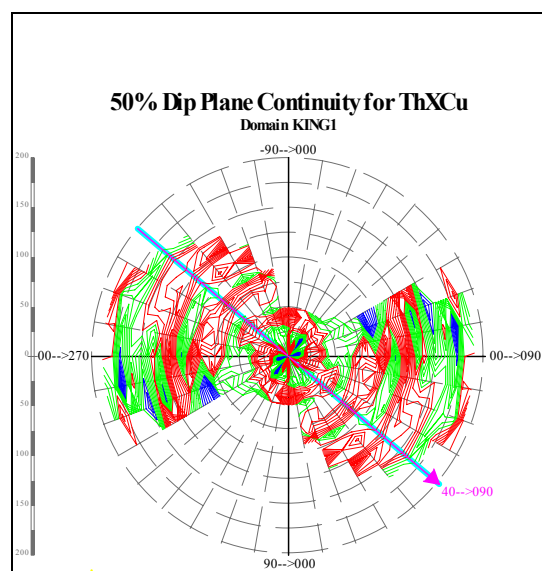
Figure 17.11 Dip Plane Contoured Continuity Plot for Gold Accumulation



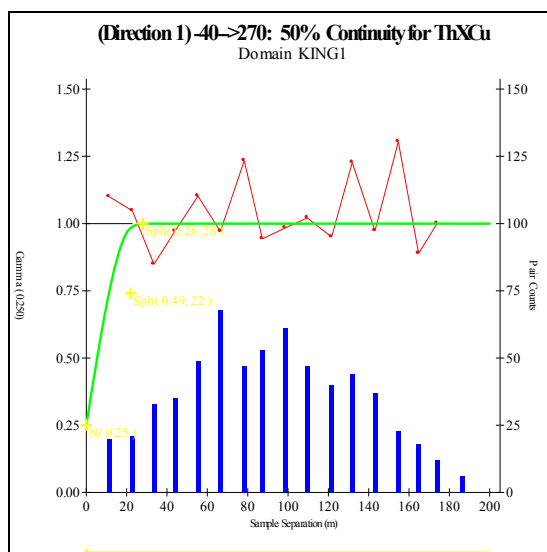
**Figure 17.12 Direction 1 Variogram for Gold Accumulation**

### 17.5.2. Copper Accumulation

The spatial continuity of copper was found to be similar to gold in the King 1 vein. Within the plane of the vein, the direction of maximum continuity (Direction 1) was found to be 40° towards 90°, with a maximum range of 28 m (Figure 17.13 and Figure 17.14). Plots for the other directions are provided in Appendix C. Direction 2 was found to be -50° towards 90°, with a maximum range of 30 m. The Maximum: Intermediate anisotropy ratio is therefore 0.93.



**Figure 17.13 Dip Plane Contoured Continuity Plot for Copper Accumulation**



**Figure 17.14 Direction 1 Variogram for Copper Accumulation**

## 17.6. Resource Estimate

The Ordinary Kriging method of interpolation was used to estimate vein thickness, gold and copper accumulation block models at Golden Crown. Gemcom mining software was used for establishing a 2D block geological model and subsequent grade estimates. Grade caps were applied to both gold and copper accumulations prior to estimation to restrict the influence of grade outliers.

Metal accumulation block models were converted to grade models by dividing the estimated metal accumulation by the estimated thickness. A gold equivalent block model was created by manipulating the gold and copper block grades according to the formula  $AuEq = Au + (Cu \times 10,000)/4569.712$ . The factor used in this formula was derived from the following metal prices:

$$\begin{aligned} Au &= \$380/\text{oz} \text{ or } \$11.08195/\text{gram} \\ Cu &= \$1.10/\text{lb} \text{ or } \$0.00243/\text{gram} \end{aligned}$$

Recoveries of both metals were assumed at 100% and no factoring for anticipated net smelter returns was made.

## 17.7. Block Model Setup

Figure 17.15 describes the block model setup. Gemcom's definition of the model origin is the maximum elevation of the lower left (southwest) corner of the model. Only one row was defined to create a 2D model for each vein.

**Figure 17.15 Block Model Setup**

### 17.7.1. Kriging Parameters

Similar interpolation parameters (Table 17.1) were used to estimate thickness and metal accumulation block models for all veins.

**Table 17.1 Kriging Parameters**

Direction	Dip/ Dip Direction	Nugget	Sill 1	Range 1	Sill 2	Range 2
1	30-->090			46		48
2	-60-->090	0.3	0.46	21	0.24	22
3	00-->000			1		1

The effective search ellipse was set to the maximum ranges of grade continuity as described by the variograms (Section 17.5).

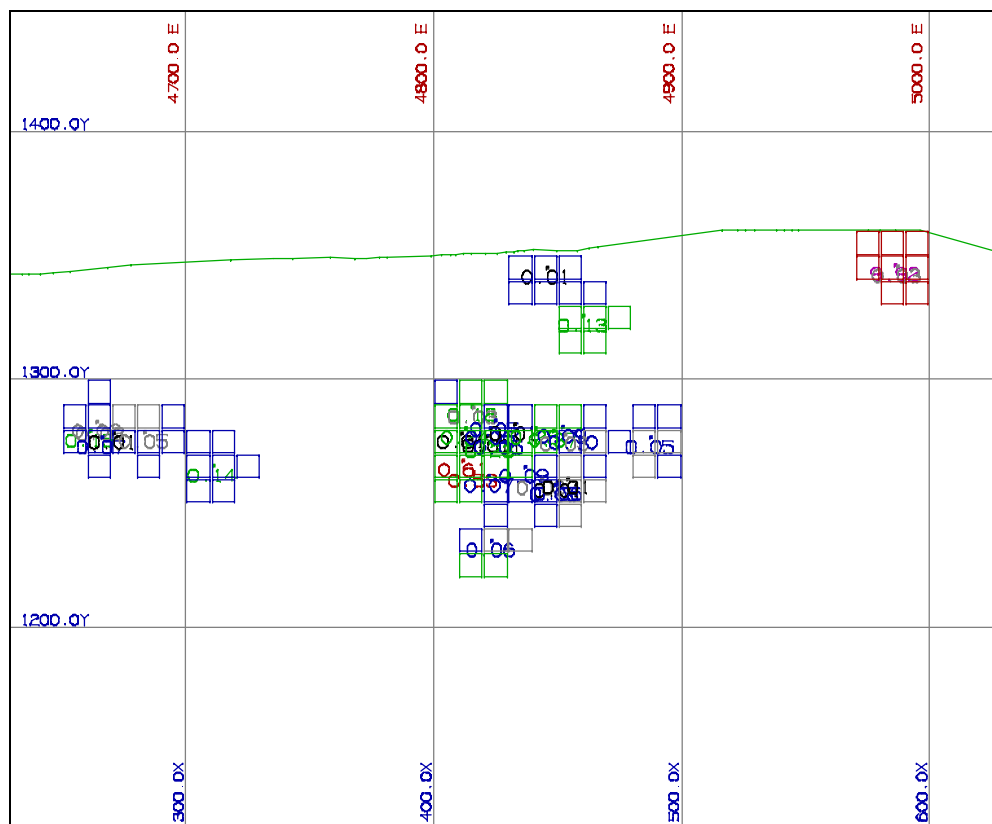
Up to two passes were used to estimate block grades for each vein. The first pass used search radii that were equivalent to the maximum ranges of the variograms. During this pass the actual distance of each block to the nearest composite was written to a block model to assist in classification. A second pass was completed with larger ranges to fill any uninformed blocks that remained from the first pass. No actual distance values were written to the model from the second pass, with the intention that blocks interpolated during the second pass were automatically classified as Inferred.

All blocks used a minimum of 2 composites and a maximum of 24. For all passes, the blocks were discretized into a 3 X 3 array of points.

Figure 17.16 is a sectional view of gold accumulation for the George vein. Displayed in the figure are the surface topography (green line), composite gold accumulation values and gold accumulation block model outlines. The block model outlines are color coded as follows:

- 0.005 – 0.017 –black;
- 0.017 – 0.048 –grey;

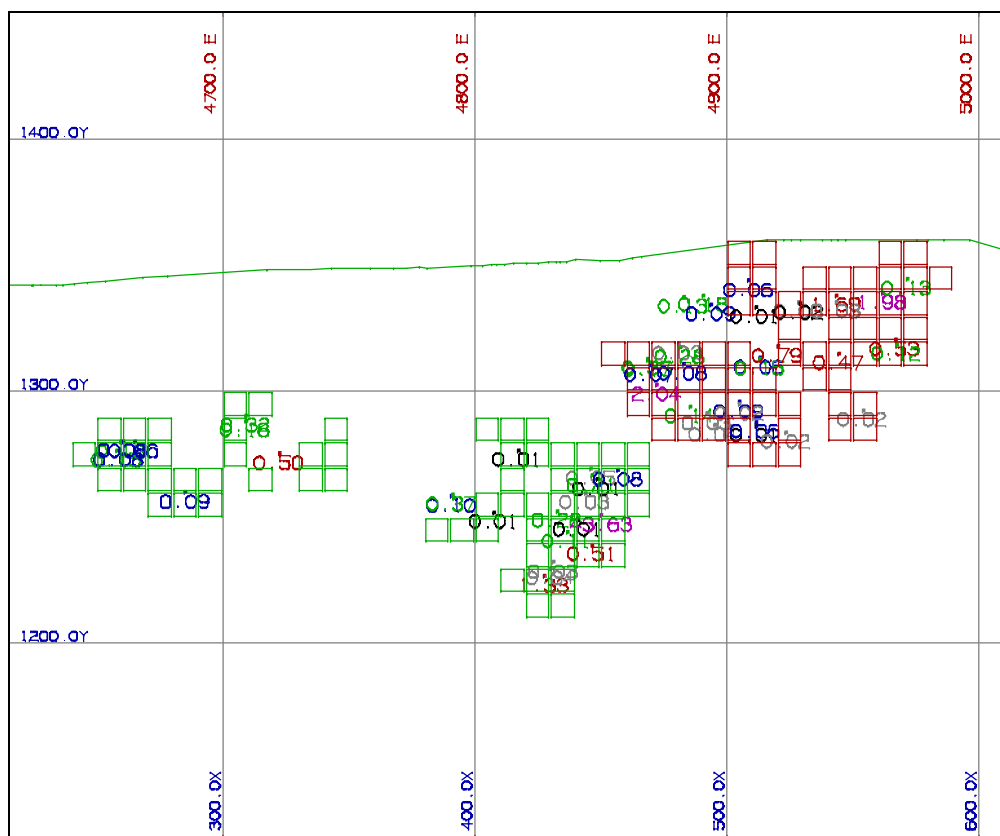
- 0.048 – 0.104 –blue;
- 0.104 – 0.469 –green;
- 0.469 – 1.984 –red; and
- >1.984 –magenta



Indicated while all blocks outside of the perimeter, initially classified as Indicated, were changed to Inferred. Inferred blocks within the perimeter remained in the Inferred category.

- The model was coded to identify Indicated and Inferred blocks according to guidelines of the CIM Standards (2000). No Measured blocks were identified in the estimate.

Figure 17.17 is a typical section showing the King 1 classified resource blocks. Green blocks are classified as Inferred and red blocks as Indicated. The green surface is the topography and the values are gold accumulations.



**Figure 17.17 Sectional View of Classified Resources, King 1 Vein**

### 17.7.3. Model Validation

The integrity of block grade models was validated using 3 methods:

- Visual comparison of block and composite grades in longitudinal section;
- Global comparison of mean model and input grades; and
- Validation plots by easting, and elevation to compare the mean input and block grades on a series of parallel plans and sections through the deposit.

The visual comparison of block grades and composites by section and plan indicated a good correlation between the input data and output values. No obvious discrepancies were noted.

The global mean block gold and copper grades were compared to the global mean of declustered input grades (Table 17.2). In the veins with significant numbers of composites the difference between the declustered input grade and the model grades is less than 10%. Snowden considers these differences to be acceptable.

**Table 17.2 Global Validation Statistics**

Vein	Mean Block Grades		Mean Comp Grades		% Difference		# of Comps
	Th X Au g/t	Th X Cu %	Th X Au g/t	Th X Cu %	Th X Au g/t	Th X Cu %	
GC1	10.968	0.051	9.360	0.054	17.2%	5.7%	7
GC2	1.954	0.073	2.112	0.078	7.5%	6.9%	4
GC2A	1.152	0.061	1.149	0.056	0.3%	8.8%	3
GC3	0.000	0.000	5.479	0.218	100.0%	100.0%	2
G1	6.367	0.190	6.583	0.193	3.3%	1.4%	42
K1	11.109	0.681	10.971	0.621	1.2%	9.6%	62
K2	8.109	0.573	8.503	0.540	4.6%	6.1%	34
Q	0.226	0.057	0.219	0.055	3.1%	4.4%	2
S	1.594	0.207	1.509	0.205	5.7%	0.7%	14
MC	2.849	0.235	3.086	0.257	7.7%	8.8%	34
P1	13.121	0.155	11.760	0.147	11.6%	5.6%	8
P2	6.963	0.023	7.149	0.022	2.6%	6.4%	4
P3	0.998	0.008	1.001	0.008	0.3%	0.0%	2
SZ	3.693	0.000	3.977	0.000	7.2%	0.0%	11

Mean block grades and mean composite grades for gold and copper were plotted on a series of sections and plans. Examples of these plots for the King 1 vein are located in Figure 17.18 to Figure 17.21. The trend of block grades generally honors the trend of input grades, but is smoother as expected from the interpolation method used. Portions of the graphs where the block grade trends deviate from the input grade trends are generally associated with low data levels.



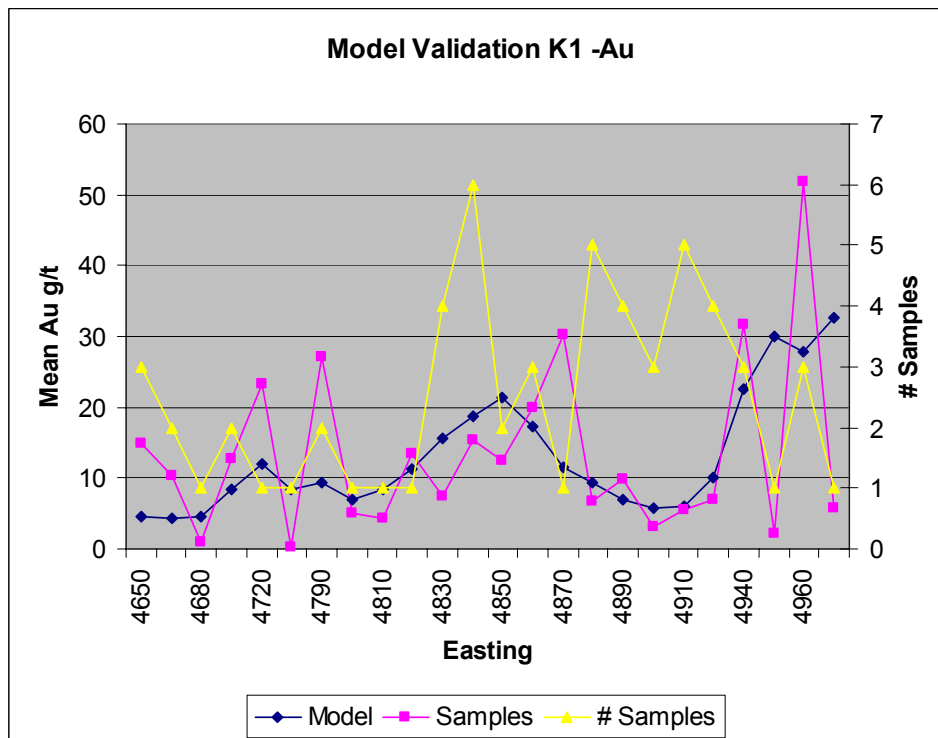


Figure 17.18 Model Validation Plot of the King 1 Vein for Gold –by Easting

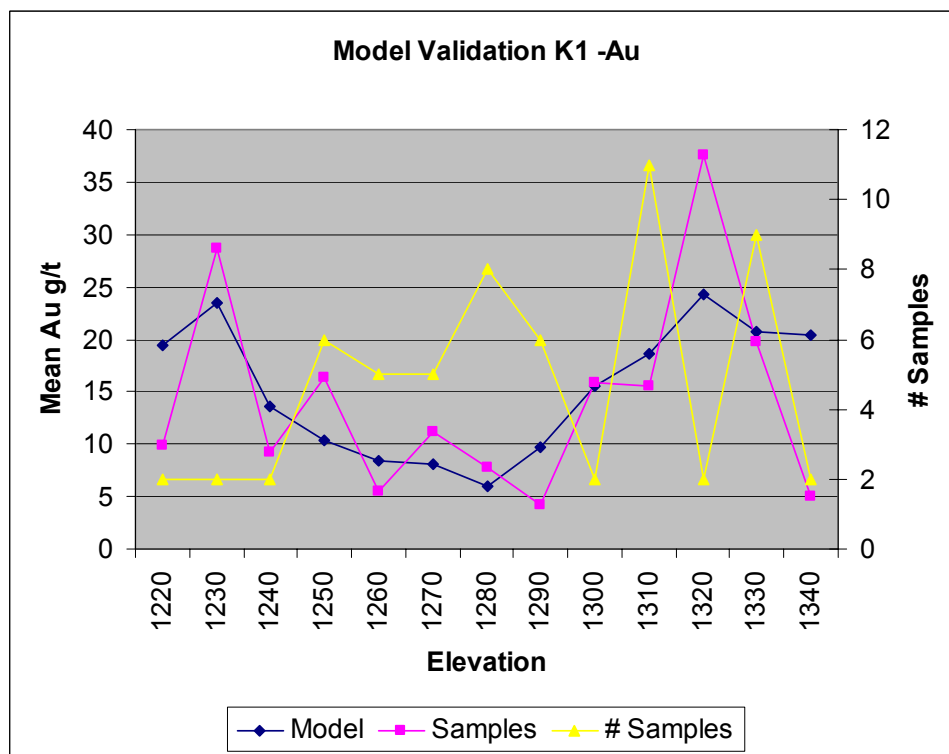
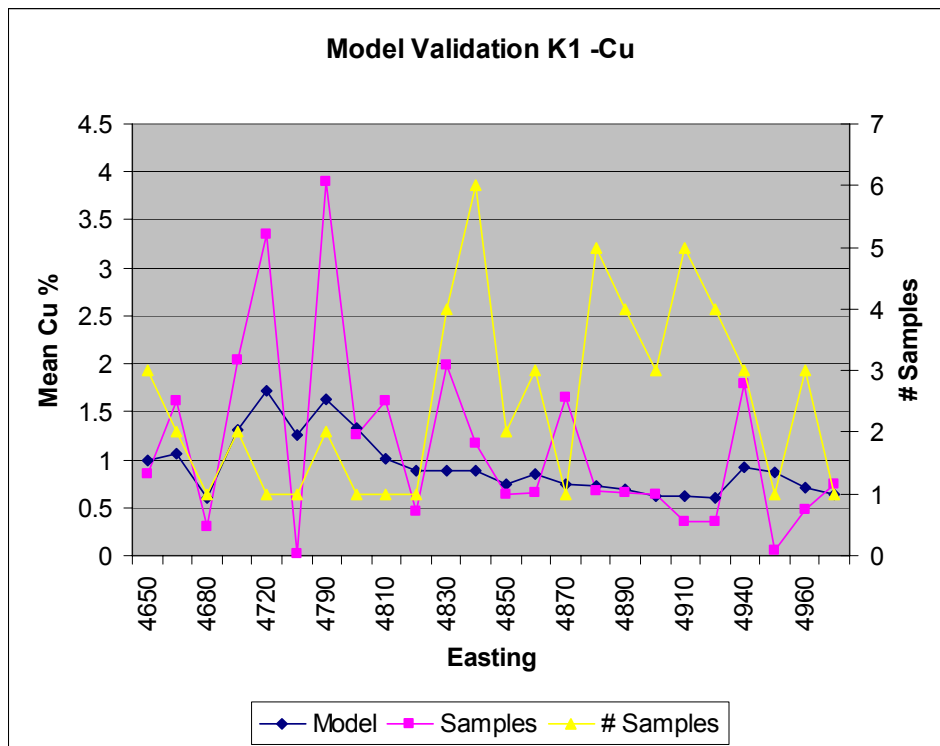
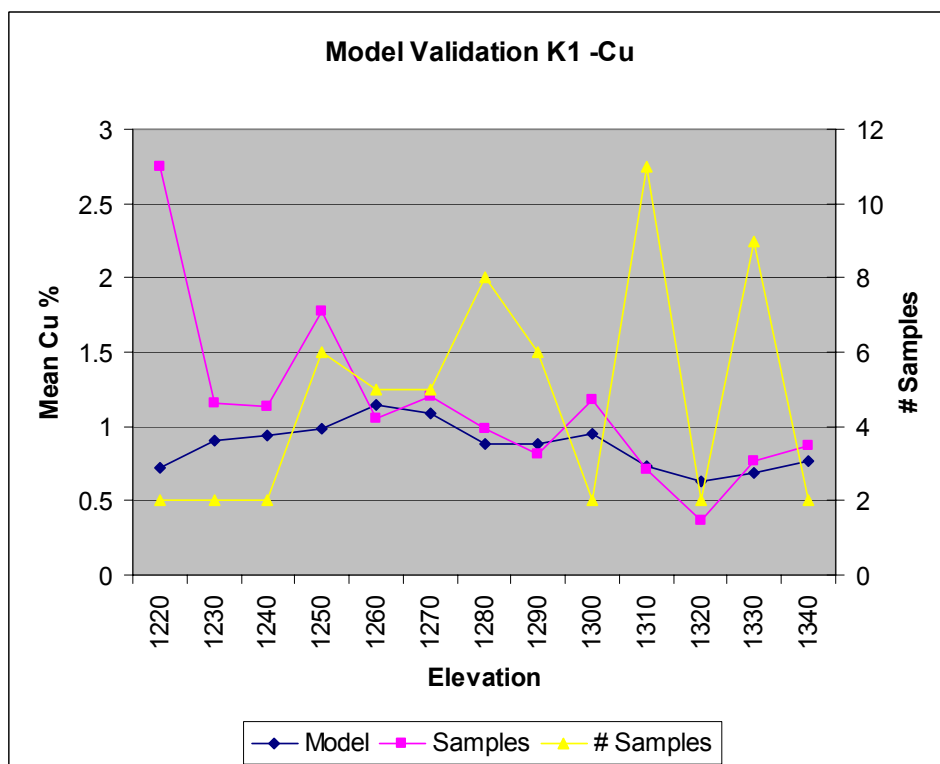


Figure 17.19 Model Validation Plot of the King 1 Vein for Gold –by Elevation



**Figure 17.20 Model Validation Plot of the King 1 Vein for Copper –by Easting**



**Figure 17.21 Model Validation Plot of the King 1 Vein for Copper –by Elevation**

## 17.8. Density

GC completed a total of 39 density measurements on lengths of core from drill holes 03CDH-01 to 03CDH-41, 03CDH-43, 03CDH-38, 03CDH39 and 03CDH-45 from the King and Portal veins. Measurements were determined using the water immersion method. GC determined the average density to be 3.5 when the high and low outliers were removed.

## 17.9. Reporting of Tonnes and Grade

The classified Mineral Resource at Golden Crown is presented in Table 17.3 based on a gold equivalent cutoff of 6 g/t.

**Table 17.3 Golden Crown Classified Mineral Resource at a 6 g/t AuEq Cutoff**

Classification	Tonnes	Grade		
		AuEq g/t	Au g/t	Cu %
Measured	-	-	-	-
Indicated	30,700	19.7	17.9	0.8
Mea + Ind	30,700	19.7	17.9	0.8
Inferred	74,200	14.0	12.7	0.6

At a cutoff grade of 6 g/t gold equivalent, the currently defined Indicated Mineral Resource at Golden Crown is 30,700 tonnes grading 17.9 g/t Au and 0.8% Cu or a gold equivalent of 19.7 g/t. Inferred Resources are estimated at 74,200 tonnes grading 12.7 g/t Au and 0.6% Cu or a gold equivalent of 14.0 g/t at the same gold equivalent cutoff grade.

Gold equivalent grades were calculated using the following metal prices and formula:

$$\begin{aligned} \text{Gold Price} &= \$380/\text{oz or } \$11.08195/\text{gram}; \\ \text{Copper Price} &= \$1.10/\text{lb or } \$0.00243/\text{gram}; \text{ and} \\ \text{Gold Equivalent (AuEq)} &= \text{Au} + (\text{Cu} \times 10,000)/4569.712 \end{aligned}$$

Recoveries of both metals were assumed at 100% and no factoring for anticipated net smelter returns was made.

Detailed tables summarizing the resource totals at various gold equivalent cutoff grades are located in Appendix D.

## **18. OTHER RELEVANT DATA AND INFORMATION**

There is no other relevant data or information to report.

## 19. INTERPRETATION AND CONCLUSIONS

### 19.1. Resource Estimation

The resource estimate was generated by the Ordinary Kriging method using composites from drill hole data supplied by GC. For each vein, block estimates of metal accumulation (grade x true thickness) and true thickness were computed.

At a cutoff grade of 6 g/t gold equivalent, the currently defined Indicated Mineral Resource at Golden Crown is 30,700 tonnes grading 17.9 g/t Au and 0.8% Cu or a gold equivalent of 19.7 g/t. Inferred Resources are estimated at 74,200 tonnes grading 12.7 g/t Au and 0.6% Cu or a gold equivalent of 14.0 g/t above the same gold equivalent cutoff grade.

### 19.2. Exploration Potential

The Greenwood area is a historic mining region, ranking sixth largest in gold production in British Columbia with approximately 1.3 million ounces of gold. Much of the production was from the Phoenix copper-gold skarn, some 2-3 km northwest from the heart of the sulfide vein system on the Golden Crown Property. Neighboring mining camps include the Republic district of northern Washington, 50 km south of the claims, which has produced 2.5 million ounces of gold from epithermal deposits and the Rossland mining camp 45 km east of the property which has produced 2.5 million ounces of gold. GC has interpreted the Rossland veins and geology to be similar to the Golden Crown Property.

At the Golden Crown Property historic production from the Winnipeg claim stands at 53,316 tonnes averaging 6.9 g/t Au and 0.16% Cu. GC believes that the reported production figures are understated, as suggested by the extent of respective workings and dumps.

The Golden Crown property covers a corridor of west northwest trending sub parallel and closely spaced steeply dipping massive sulfide and quartz-sulfide veins occur in the southeastern part of the property as part of a 4 km long gold/copper system. The core of the known vein system lies within an area 130 m wide by 800 m long. Veins typically range 0.3 – 1.0 m, with local developments to 5 m true width near the serpentinite contact. Veins range greatly in sulfide content but generally contain 50-90% sulfides of pyrrhotite-pyrite and lesser chalcopyrite in a quartz gangue. Quartz veins with very low sulfide content are also present. Both vein types can carry high gold tenor. Extensive surface and underground drilling and a 1.1 km exploration adit have helped to define the vein system. About 2.5 km to the west northwest along the gold/copper corridor, trenching has identified several sympathetic north dipping auriferous shear zones indicating the northwest extension of the Golden Crown gold system. The 2.5 km gap between the principal vein system and the trenched auriferous shears contain untested soil gold anomalies.

Exploration to date has tested mineralization over more than 500 m of strike length. Many of the veins remain open-ended. The identification of a 40° westward rake to thicker shoots may assist in the targeting of extension drilling. Field evidence has identified other styles of mineralization which are targets for future exploration programs. These include: depth extents of mesothermal veins; intersection of detachment faults with other structures and favorable serpentinite contacts.

## 20. RECOMMENDATIONS

GC should focus on the continued evaluation of the principal veins on the Golden Crown property.

Snowden recommends taking steps to improve the confidence in Golden Crown data. Drill holes that lack supporting documentation should be re-logged, re-sampled and surveyed where possible. New drilling will be necessary to confirm the results obtained in historic drilling in the cases where drill core no longer exists. This improvement in data confidence could potentially upgrade a significant portion of the Inferred resources to Indicated status.

Snowden also recommends obtaining additional density measurements.

Two stages of work have been identified by GC. Phase 1 includes surface diamond drilling, grid-based surface mapping, soil sampling, and geophysics over a 1 km by 2 km area centered on the heart of the massive sulfide vein system to identify new zones, trenching of the Tiara vein to evaluate its merits and continue trenching in the northwest part of the 4 km long gold-copper corridor of untested soil anomalies.

The activities and costs for each phase are summarized below:

### Phase I: Surface Work Cost Estimates

Surface Drilling	\$250,000
Trenching	\$75,000
Grid-based mapping, soil, geophysics	\$50,000
Preliminary Economic Assessment	\$10,000
Contingency	\$20,000
Total	\$405,000

### Phase II: Bulk Sample & Feasibility Study Cost Estimates

Mill Rehabilitation	\$400,000
Mining Equipment – Rental Purchase	\$315,000
Surface Equipment – Rental Purchase	\$215,000
Tailings Dam Construction	\$100,000
Mining	\$450,000
Mill Processing	\$300,000
General & Administration	\$250,000
Feasibility Study	\$100,000
Total	\$2,130,000

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## 22. CERTIFICATE AND CONSENTS OF AUTHOR

### CERTIFICATE OF AUTHOR

Neil R. Burns, P.Geo.,  
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I, Neil R. Burns, M.Sc., P.Geo., am a Professional Geoscientist employed as a Resource Geologist by Snowden Mining Industry Consultants, 1090 West Pender Street, Vancouver, B.C.

I graduated with a Bachelor of Science degree in Earth Sciences from Dalhousie University, Halifax, NS in 1995. Subsequently I obtained a Master of Science degree in Mineral Exploration from Queen's University in 2003. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia. I have worked as a geologist for a total of eight years since graduating with my bachelor's degree.

I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements of a "qualified person" for the purposes of NI 43-101.

I am responsible for the preparation of the technical report titled Technical Report Golden Crown Property, Greenwood, British Columbia, Canada (the "Technical Report"), dated June 22, 2004, and I have not visited the site.

I am responsible for the preparation of Section 17 of the report.

I have not had prior involvement with the property that is the subject of the technical report.

I am not aware of any material fact or material change with respect to the subject matter of this technical report that is not reflected in the report, the omission to disclose which makes this report misleading.

I am independent of the issuer applying all of the tests in section 1.5 of NI 43-101.

I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

Dated at Vancouver, British Columbia, this. 22<sup>nd</sup> day of June, 2004.

[SIGNED]

Neil R. Burns, M.Sc., P.Geo.

## CERTIFICATE OF AUTHOR

Paul S. Cowley, P.Geo.  
207-270 West 1st Street  
North Vancouver, B.C.  
Telephone: 604-983-2996  
Email: cowleypgeo@hotmail.com

I, Paul S. Cowley, P.Geo. do hereby certify that:

1. I am currently employed as a Consultant by: Gold City Industries Ltd., Suite 550- 580 Hornby Street, Vancouver, B.C., V6C 3B6. Telephone: 604-682-7677. Email: www.gold-city.net
2. I graduated with Honours with a Bachelor of Science degree in Geology, from University of British Columbia, Canada, in 1979.
3. I am a registered Professional Geologist with the Northwest Territories Association of Professional Engineers, Geologists and Geophysicists, Registration Number L445, since October 5, 1989.
4. I am a registered Professional Geoscientist with the association of Professional Engineers and Geoscientists of the Province of British Columbia, Canada, Registration Number 24350, since June 1999.
5. I have worked as a geologist for a total of 23 years since my graduation from university.
6. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
7. I am responsible for the preparation of Sections 3-16 of the Technical Report -Golden Crown -Property dated June 22, 2004 (the "Technical Report") relating to the Golden Crown Property. I visited the Golden Crown Property numerous times between August 20, 2002 and June 3, 2004.
8. I have been involvement with the fall 2003 drilling program on the property is referred to in the Technical Report.
9. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
10. I am not independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101. I am an Insider of Gold City Industries Ltd., being the Vice President of Exploration and Director. I also hold common shares and options with Gold City Industries Ltd.

11. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

12. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

Dated at Vancouver, B.C. this 22<sup>nd</sup> day of June, 2004.

[SIGNED] \_\_\_\_\_  
Paul S. Cowley, P.Geo.

### CONSENT OF QUALIFIED PERSON

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TO: The securities regulatory authorities of each of the provinces and territories of Canada

I, Neil R. Burns, M.Sc., P.Geo., do hereby consent to the filing of the report titled Technical Report Golden Crown Property, Greenwood, British Columbia, Canada, prepared for Gold City Industries Ltd. dated June 22, 2004.

Dated at Vancouver, British Columbia this 22<sup>nd</sup> day of June, 2004.

[SIGNED] \_\_\_\_\_  
Neil R. Burns, M.Sc., P.Geo.

### CONSENT OF QUALIFIED PERSON

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TO: The securities regulatory authorities of each of the provinces and territories of Canada

I, Paul S. Cowley, P.Geo., do hereby consent to the filing of the report titled Technical Report Golden Crown Property, Greenwood, British Columbia, Canada, prepared for Gold City Industries Ltd. dated June 22, 2004.

Dated at Vancouver, British Columbia this 22<sup>nd</sup> day of June, 2004.

[SIGNED] \_\_\_\_\_  
Paul S. Cowley, P.Geo.

## **Appendix A – Drill Hole Composites**

HOLE-ID	FROM	TO	COMP_LEN	COMP_AU	COMP_CU	LOCATIONX	LOCATIONY	LOCATIONZ	Vein
03CDH-01	18.3	19.78	1.48	11.946	0.416	4987	5157	1346	GEORGE
03CDH-01	19.78	20.17	0.39	0.121	0.086	4987	5158	1345	GEORGE
03CDH-02	19.55	20.53	0.98	0.168	0.736	4972	5160	1345	KING 1
03CDH-02	49.4	49.9	0.50	0.020	0.000	4761	4842	1359	S Zone
03CDH-02	50.3	50.8	0.50	0.010	0.000	4761	4842	1358	S Zone
03CDH-02	54.8	55.3	0.50	0.330	0.000	4791	4839	1357	S Zone
03CDH-02	54.9	55.4	0.50	0.050	0.000	4818	4836	1357	S Zone
03CDH-03	26.45	27.65	1.20	2.096	1.000	4962	5164	1339	KING 1
03CDH-03	48.2	49.4	1.20	1.240	0.000	4761	4842	1360	S Zone
03CDH-06	47.79	48.1	0.31	2.135	0.308	4967	5164	1321	KING 1
03CDH-06	50.3	50.8	0.50	0.297	0.152	4968	5165	1319	KING 1
03CDH-06	51.9	52.25	0.35	0.012	0.216	4968	5166	1318	KING 2
03CDH-06	33.07	33.38	0.31	3.740	0.030	5347	5011	1282	Portal 1
03CDH-07	26.81	27.95	1.14	0.036	0.230	4929	5165	1336	KING 1
03CDH-07	27.95	28.14	0.19	0.104	1.000	4929	5165	1335	KING 1
03CDH-10	49.9	50.3	0.40	0.140	0.000	4761	4842	1359	S Zone
03CDH-11	80.65	81.55	0.90	0.135	0.666	4905	5163	1296	KING 1
03CDH-11	81.55	82.6	1.05	0.022	0.254	4905	5164	1295	KING 1
03CDH-12	85.04	86.75	1.71	0.038	0.969	4895	5162	1287	KING 1
03CDH-12	35.58	35.92	0.34	0.066	1.000	4889	5135	1328	MCARTH
03CDH-13	59.74	60.58	0.84	0.084	0.432	4913	5162	1313	KING 1
03CDH-13	60.58	60.96	0.38	0.513	0.852	4914	5162	1313	KING 1
03CDH-14	65.03	65.8	0.77	0.136	0.639	4883	5165	1311	KING 1
03CDH-14	25.3	26.1	0.80	0.790	0.000	5274	5059	1295	Portal 2
03CDH-14	27.4	28.2	0.80	0.040	0.000	4761	4843	1384	S Zone
03CDH-15	62.85	63.26	0.41	1.114	0.307	4869	5167	1313	KING 1
03CDH-15	63.26	64.8	1.54	0.120	0.645	4869	5167	1313	KING 1
03CDH-15	66.78	66.94	0.16	0.519	1.000	4870	5169	1311	KING 1
03CDH-15	23.2	23.47	0.27	0.022	1.000	4858	5141	1341	MCARTH
03CDH-15	15.06	15.22	0.16	0.210	0.160	5360	5067	1285	Portal 3
03CDH-16	39.12	39.52	0.40	0.490	0.890	4860	5145	1326	GEORGE
03CDH-16	24.35	24.45	0.10	1.834	1.000	4857	5137	1338	MCARTH
03CDH-16	24.45	25.1	0.65	0.052	0.202	4857	5137	1338	MCARTH
03CDH-16	32.61	32.71	0.10	0.860	0.180	5372	5008	1276	Portal 1
03CDH-16	38.42	38.52	0.10	1.140	0.110	5393	5004	1271	Portal 1
03CDH-17	44.84	45.5	0.66	0.209	0.168	4856	5081	1327	SAM
03CDH-17	44.62	44.84	0.22	1.257	0.763	4857	5081	1327	SAM
03CDH-17	44.1	44.62	0.52	0.312	0.223	4857	5081	1327	SAM
03CDH-17	46.4	47.7	1.30	0.220	0.000	4791	4835	1364	S Zone
03CDH-17	36.1	37.4	1.30	0.250	0.000	4738	4842	1373	S Zone
03CDH-18	24.75	24.9	0.15	0.015	0.181	4846	5098	1341	SAM
03CDH-20	22.6	23.32	0.72	0.335	0.219	4852	5096	1348	SAM
03CDH-21	12.37	15.3	2.93	0.011	0.059	4694	5226	1323	GC 1
03CDH-28	45.73	46.95	1.22	0.170	0.220	5396	5005	1264	Portal 1
03CDH-30	35.36	36.27	0.91	0.090	0.140	5371	5010	1273	Portal 1
03CDH-39	61	62.5	1.50	0.100	0.000	4797	4833	1343	S Zone
03CDH-40	15.33	15.91	0.58	0.122	1.000	4909	5166	1344	KING 1
03CDH-41	83.83	84.71	0.88	0.205	0.978	4886	5163	1294	KING 1
03CDH-41	8.55	8.98	0.43	0.038	0.089	4868	5118	1352	MCARTH
03CDH-43	99.31	99.64	0.33	0.353	1.000	4854	5169	1284	KING 2
03CDH-44	20.76	20.99	0.23	1.009	0.908	4891	5166	1338	KING 1

HOLE-ID	FROM	TO	COMP_LEN	COMP_AU	COMP_CU	LOCATIONX	LOCATIONY	LOCATIONZ	Vein
03CDH-46	50.8	51.5	0.70	0.060	0.000	4761	4842	1358	S Zone
68-1	64.49	67.07	2.58	0.002	0.115	4944	5078	1308	SAM
68-10	38.71	41.76	3.05	0.220	0.030	4705	5226	1298	GC 1
68-2	70.71	73.15	2.44	0.040	0.230	4945	5174	1304	KING 2
68-3	55.47	56.39	0.92	0.380	1.010	4882	5167	1318	KING 1
76-5	6.1	12.2	6.10	0.400	0.000	4684	5231	1319	GC 1
78-11	52.4	54.25	1.85	0.184	0.368	4842	5172	1306	KING 2
78-4	19.9	22.9	3.00	0.056	0.095	4883	5175	1338	KING 1
78-7	51.4	56.6	5.20	0.880	1.640	4873	5169	1303	KING 1
78-9	61.5	64.7	3.20	0.240	0.330	4858	5169	1300	KING 2
78-9	32.71	35.36	2.65	0.010	0.000	5371	5009	1275	Portal 1
79-1	91.9	94.2	2.30	0.255	0.611	4858	5165	1272	KING 2
79-2	81.6	84	2.40	0.320	0.855	4849	5154	1279	GEORGE
79-3	77.1	77.3	0.20	0.160	0.200	4782	5199	1272	GC 1
79-3	5.5	5.8	0.30	1.352	0.300	4780	5245	1327	GC 3
79-3	38.4	40.9	2.50	0.250	0.000	5329	5046	1283	Portal 2
80-10	18.6	19.5	0.90	0.184	0.100	4891	5072	1338	SAM
80-10	26.1	26.4	0.30	0.072	1.660	4891	5077	1332	SAM
80-10	30.1	30.8	0.70	0.218	4.330	4891	5080	1329	SAM
80-11	24.4	24.7	0.30	0.050	0.430	4896	5039	1354	QUEEN
80-12	105.7	106	0.30	0.210	0.000	4683	5173	1279	GEORGE
80-12	7.1	8.2	1.10	0.020	0.000	4683	5110	1354	SAM
80-12	95.4	95.7	0.30	0.028	0.000	4683	5166	1287	MCARTH
80-14	86.8	87.1	0.30	0.544	4.730	4847	5172	1282	KING 2
80-14	36.4	37.2	0.80	0.016	0.090	4847	5147	1325	MCARTH
80-15	45.1	46.9	1.80	0.579	0.000	4921	5162	1318	KING 1
80-3	59.8	61.6	1.80	0.222	1.985	4721	5187	1294	KING 2
80-5	66	66.7	0.70	0.080	0.160	4743	5185	1291	KING 2
80-6	78.4	78.7	0.30	0.058	0.410	4798	5186	1295	KING 2
80-7	83.1	84.5	1.40	0.024	0.630	4893	5162	1291	KING 1
80-7	98.6	102.2	3.60	0.013	0.011	4893	5173	1279	KING 2
80-7	49.8	53.6	3.80	0.006	0.000	4893	5142	1316	MCARTH
80-8	12.1	13.6	1.50	0.080	0.098	4894	5166	1335	KING 1
81-3	9.9	13	3.10	0.000	0.001	4872	5063	1357	QUEEN
81-3	50.7	50.9	0.20	0.001	0.010	4872	5076	1320	SAM
81-5	83.9	84.4	0.50	0.060	0.050	4954	5161	1293	KING 1
83-15	12.2	12.5	0.30	0.002	0.030	4675	5209	1327	KING 2
83-16	28.2	28.5	0.30	0.456	1.680	4675	5210	1309	KING 2
83-17	29.8	30	0.20	0.067	0.175	5046	5123	1319	MCARTH
83-17	64	64.9	0.90	0.345	0.240	5048	5140	1289	MCARTH
83-18	111.5	112.3	0.80	0.220	2.520	4791	5165	1259	KING 1
83-18	111	111.5	0.50	1.366	5.270	4791	5165	1259	KING 1
83-18	65.2	65.6	0.40	0.138	7.300	4795	5146	1301	MCARTH
83-18	63.4	65.2	1.80	0.404	2.393	4795	5146	1302	MCARTH
84-22	88.94	89.49	0.55	0.445	1.788	4709	5183	1289	KING 1
84-22	85.95	87.42	1.47	0.295	2.269	4709	5182	1291	KING 1
84-22	50.9	51.5	0.60	0.051	0.150	4712	5159	1318	MCARTH
84-23	99.67	103.33	3.66	0.068	0.115	4711	5169	1265	GEORGE
84-23	35.57	36.03	0.46	0.002	0.132	4714	5141	1325	SAM
84-23	76.5	76.93	0.43	0.018	1.210	4712	5158	1287	MCARTH
84-24	52.73	53.49	0.76	0.882	0.610	4766	5139	1312	MCARTH



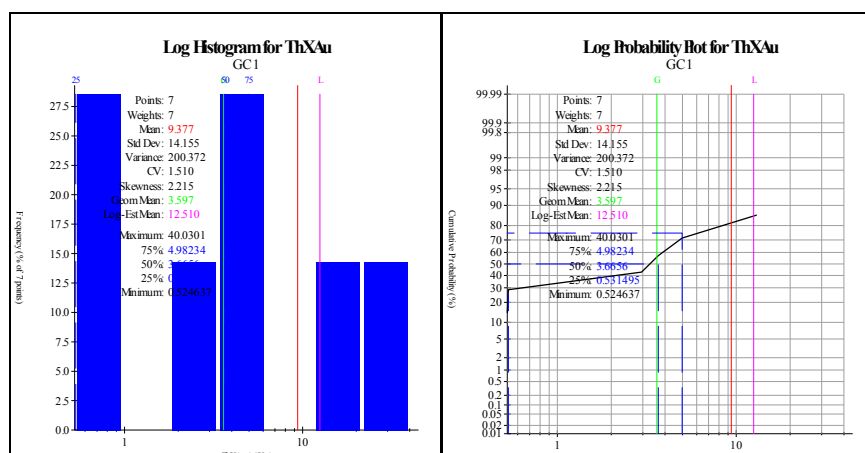
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84-25	52.12	52.79	0.67	0.106	1.040	4774	5140	1314	MCARTH
84-26	140.51	142.65	2.14	0.674	0.475	4828	5167	1219	KING 2
84-26	139.3	140.51	1.21	0.399	0.436	4829	5167	1221	KING 2
85-1	102.72	107.29	4.57	0.190	0.636	4833	5163	1253	KING 1
85-1	23.41	24.69	1.28	3.315	3.821	4840	5149	1332	MCARTH
85-1	18.89	19.5	0.61	0.139	1.730	4840	5149	1337	MCARTH
85-2	104.55	105.25	0.70	0.284	1.118	4849	5152	1257	GEORGE
85-2	123.14	124.06	0.92	1.412	2.080	4847	5157	1239	KING 1
85-3	160.63	161.06	0.43	0.510	0.030	4817	5163	1207	KING 2
85-3	57	57.61	0.61	0.029	0.130	4817	5131	1306	MCARTH
85-4	57	57.6	0.60	0.012	0.050	4745	5151	1307	MCARTH
87-18	32.1	32.83	0.73	0.080	0.170	5309	5046	1288	Portal 2
87-26	93.73	94.34	0.61	0.158	1.352	4847	5159	1269	KING 1
87-26	96.62	97.42	0.80	0.526	1.680	4847	5160	1267	KING 1
88-10	67.97	68.03	0.06	4.060	0.160	4830	5179	1309	KING 2
88-11	16.76	16.86	0.10	0.185	1.210	4635	5257	1313	GC 2
88-11	12.5	12.59	0.09	1.044	0.170	4635	5259	1316	GC 2
88-11	13.05	13.23	0.18	0.212	0.380	4635	5259	1315	GC 2
88-12	24.17	24.48	0.31	1.630	0.440	4635	5256	1304	GC 2
88-3	16.79	37.22	6.06	0.000	0.000	5380	5011	1268	Portal 1
88-7	18.9	19.14	0.24	0.054	1.250	4626	5148	1330	MCARTH
88-8	21.7	22.34	0.64	0.230	1.130	4614	5155	1328	MCARTH
88-9	22.86	23.1	0.24	0.060	0.420	4594	5183	1327	KING 1
88-9	47.55	47.64	0.09	0.079	0.100	4593	5199	1308	KING 2
89-10	29.61	29.76	0.15	0.048	0.710	4485	5197	1307	KING 1
89-10	19.61	19.79	0.18	0.011	0.830	4487	5203	1315	KING 2
89-2	43.65	43.98	0.33	0.192	0.620	4881	5165	1319	KING 1
89-4	17.98	19.5	1.52	0.150	0.140	4820	5201	1329	GC 1
89-4	52.73	53.16	0.43	0.149	0.124	4813	5176	1307	KING 2
89-6	23	23.5	0.50	0.056	0.060	4610	5256	1303	GC 2
89-6	18.26	18.62	0.36	0.240	0.740	4611	5259	1307	GC 2
89-6	9.02	9.92	0.90	0.325	1.140	4611	5264	1315	GC 3
89-7	42.54	43.12	0.58	0.352	0.090	4610	5247	1290	GC 1
89-8	20.45	20.92	0.47	0.322	0.200	4561	5238	1312	GC 1
89-8	60.61	60.91	0.30	0.474	0.830	4563	5261	1280	GC 2
90-1	38.52	45.73	7.21	0.050	0.060	5394	5004	1268	Portal 1
90-10	8.08	8.84	0.76	0.010	0.059	4815	5125	1354	MCARTH
90-13	9.6	10.07	0.47	0.001	0.030	4761	5127	1349	SAM
90-13	18.42	18.78	0.36	0.051	0.010	4761	5127	1340	SAM
90-19	18.16	18.46	0.07	0.000	0.000	5313	5049	1304	Portal 2
90-2	31.27	32.78	1.51	0.030	0.000	5342	5069	1288	Portal 3
90-30	13.4	13.72	0.32	0.047	0.410	4846	5155	1345	GEORGE
90-4	26.31	27.61	1.30	1.604	2.130	4944	5165	1338	KING 1
90-4	30.28	30.58	0.30	0.141	1.120	4944	5168	1336	KING 1
90-5	53.77	54.33	0.56	1.037	2.120	4945	5164	1315	KING 1
90-6	68.69	68.96	0.27	0.101	0.120	4912	5155	1287	KING 1
90-6	65.77	68.69	2.92	0.063	0.077	4912	5155	1288	KING 1
90-7	28.96	29.36	0.40	0.042	0.320	4912	5166	1334	KING 1
90-7	50.6	50.8	0.20	0.084	0.640	4912	5180	1318	KING 2
90-8	27.48	27.9	0.42	0.121	0.470	4859	5144	1337	MCARTH
U88-1	20.51	21.95	1.44	0.070	0.956	4857	5156	1269	KING 1

HOLE-ID	FROM	TO	COMP_LEN	COMP_AU	COMP_CU	LOCATIONX	LOCATIONY	LOCATIONZ	Vein
U88-1	29.78	32.31	2.53	3.188	0.575	4861	5162	1262	KING 2
U88-10	0.91	1.07	0.16	0.156	0.160	5037	5105	1284	MCARTH
U88-10	34.59	34.9	0.31	0.512	0.360	5053	5133	1272	MCARTH
U88-10	35.94	37.49	1.55	0.343	0.153	5054	5134	1271	MCARTH
U88-11	40.54	40.72	0.18	0.012	0.300	5025	5140	1270	MCARTH
U88-11	1.4	1.46	0.06	0.298	0.010	5033	5104	1284	MCARTH
U88-12	36.73	36.88	0.15	0.158	0.182	5059	5128	1270	MCARTH
U88-13	7.22	7.41	0.19	0.428	1.490	4823	5148	1280	GEORGE
U88-13	31.24	31.76	0.52	0.242	0.840	4837	5161	1265	GEORGE
U88-14	24.99	25.3	0.31	0.525	0.380	4823	5151	1261	GEORGE
U88-14	57	64.68	7.68	0.395	0.455	4828	5160	1227	KING 1
U88-15	50.69	51.02	0.33	0.550	0.210	4823	5152	1235	GEORGE
U88-16	19.2	19.32	0.12	0.127	1.610	4817	5163	1277	KING 1
U88-16	24.54	25.3	0.76	1.310	2.850	4817	5168	1274	KING 2
U88-17	31.88	32	0.12	1.405	1.480	4815	5166	1261	KING 2
U88-18	24.26	25.09	0.83	0.000	0.000	4816	5154	1262	GEORGE
U88-18	23.01	24.26	1.25	0.860	0.280	4816	5154	1263	GEORGE
U88-18	45.54	50.57	5.03	1.067	2.807	4816	5162	1240	KING 2
U88-19	12.19	13.26	1.07	0.206	1.282	4816	5158	1289	GEORGE
U88-19	10.21	10.33	0.12	0.312	0.370	4816	5155	1289	GEORGE
U88-2	7.62	7.65	0.03	1.427	0.280	4853	5148	1278	GEORGE
U88-2	4.6	4.63	0.03	0.142	0.973	4854	5147	1280	GEORGE
U88-2	22.8	23.16	0.36	0.028	0.990	4849	5156	1265	KING 1
U88-2	39.93	40.72	0.79	0.477	1.048	4844	5165	1251	KING 2
U88-21	40.81	41.27	0.46	0.189	0.460	4798	5184	1290	KING 2
U88-22	13.01	13.1	0.09	0.096	0.650	4812	5158	1278	GEORGE
U88-22	9.24	9.57	0.33	0.950	1.910	4813	5155	1280	GEORGE
U88-23	20.12	21.03	0.91	1.250	0.550	4812	5157	1267	GEORGE
U88-23	37.76	37.86	0.10	0.146	1.260	4808	5164	1252	KING 1
U88-23	43.19	44.96	1.77	0.528	2.498	4807	5167	1247	KING 2
U88-24	8.78	9.14	0.36	0.233	0.520	4825	5149	1283	GEORGE
U88-24	17.71	17.8	0.09	0.205	1.770	4833	5153	1282	GEORGE
U88-24	26.73	27.49	0.76	0.630	1.650	4841	5157	1280	GEORGE
U88-24	47.09	48.16	1.07	0.032	0.250	4859	5165	1277	KING 2
U88-25	12.19	12.95	0.76	0.025	0.190	4826	5150	1277	GEORGE
U88-25	12.95	13.08	0.13	0.748	0.660	4827	5150	1276	GEORGE
U88-25	46.33	46.79	0.46	0.021	0.190	4849	5160	1254	KING 2
U88-25	55.78	56.69	0.91	0.032	0.250	4856	5163	1247	KING 2
U88-26	8.96	9.24	0.28	0.104	0.340	4822	5147	1277	GEORGE
U88-26	11.49	11.58	0.09	6.230	0.450	4823	5148	1275	GEORGE
U88-29	26.64	26.67	0.03	0.003	0.100	4801	5131	1270	MCARTH
U88-3	47.18	48.19	1.01	0.239	2.021	4837	5164	1244	KING 1
U88-3	28.96	29.17	0.21	0.274	0.630	4844	5156	1260	KING 1
U88-32	23.41	23.44	0.03	0.880	0.230	4706	5163	1269	MCARTH
U88-32	5.79	6.19	0.40	0.001	0.010	4713	5153	1281	MCARTH
U88-34	28.83	29.57	0.74	0.681	3.355	4723	5178	1276	KING 1
U88-34	36.27	36.58	0.31	0.065	1.020	4724	5184	1273	KING 2
U88-36	30.39	30.57	0.18	0.006	0.010	4737	5170	1275	KING 1
U88-39	11.09	11.7	0.61	0.207	0.091	4659	5182	1277	KING 1
U88-39	6.31	6.86	0.55	0.229	1.270	4661	5179	1280	KING 1
U88-4	0.61	7.47	6.86	0.023	0.014	4852	5146	1281	GEORGE

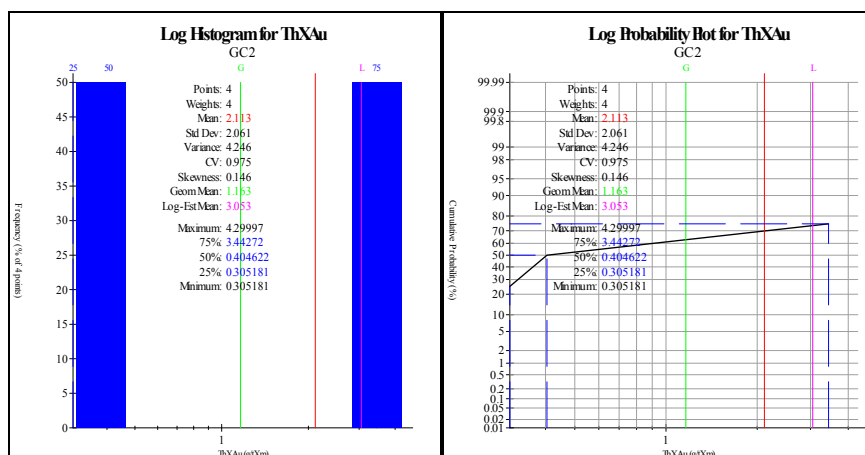
HOLE-ID	FROM	TO	COMP_LEN	COMP_AU	COMP_CU	LOCATIONX	LOCATIONY	LOCATIONZ	Vein
U88-4	7.47	7.48	0.01	0.204	0.130	4854	5148	1278	GEORGE
U88-40	7.16	7.62	0.46	0.804	1.500	4662	5177	1279	GEORGE
U88-41	4.82	4.91	0.09	0.310	1.540	4664	5179	1283	GEORGE
U88-42	6.1	6.4	0.30	0.368	1.940	4665	5182	1280	KING 1
U88-43	5.46	5.97	0.51	0.075	1.280	4666	5179	1282	GEORGE
U88-44	9.78	10.15	0.37	0.040	0.870	4671	5178	1278	GEORGE
U88-44	30.48	37.12	6.64	0.030	0.308	4685	5183	1260	KING 1
U88-45	9.91	10.36	0.45	0.502	1.990	4666	5175	1276	GEORGE
U88-46	11.89	12.34	0.45	0.614	0.930	4658	5183	1277	KING 1
U88-46	7.56	8.05	0.49	0.484	1.550	4660	5181	1280	KING 1
U88-48	56.27	56.51	0.24	0.008	0.320	4837	5171	1229	KING 2
U88-5	9.45	10.21	0.76	0.191	0.624	4857	5150	1278	GEORGE
U88-6	12.8	12.92	0.12	0.702	0.110	4841	5135	1292	MCARTH
U88-8	14.84	15.39	0.55	0.107	0.000	4888	5155	1276	GEORGE
U88-9	38.71	39.01	0.30	0.101	0.160	4924	5156	1284	KING 1
U89-1A	25.3	25.39	0.09	0.219	0.010	4854	5151	1260	GEORGE
U89-2	26.46	26.58	0.12	0.566	1.820	4844	5155	1260	GEORGE
U89-2	38.4	38.46	0.06	0.302	0.240	4841	5159	1249	KING 1
U89-2	53.95	55.17	1.22	0.286	0.265	4838	5165	1235	KING 2
U89-3	29.72	29.84	0.12	0.063	0.550	4840	5154	1257	GEORGE
U89-3	59.44	60.05	0.61	0.177	5.050	4831	5162	1230	KING 1
U89-3	56.81	57.15	0.34	0.260	0.240	4832	5161	1232	KING 1
U89-5	22.19	22.28	0.09	0.005	0.190	4851	5152	1263	GEORGE
U89-5	26.64	26.76	0.12	0.185	0.380	4851	5154	1259	GEORGE
U89-5	27.8	28.19	0.39	0.326	1.070	4851	5154	1258	GEORGE
U89-5	32	38.19	6.19	14.189	0.304	4851	5157	1251	KING 1

## **Appendix B – Statistics**

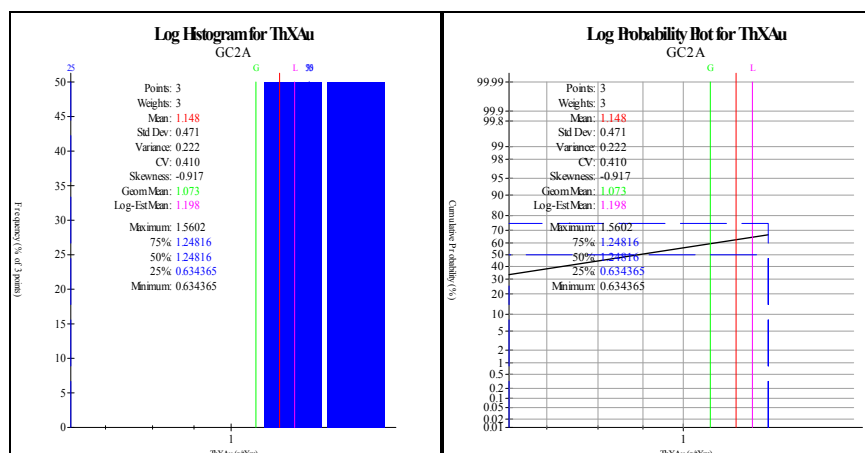
## Gold Accumulation



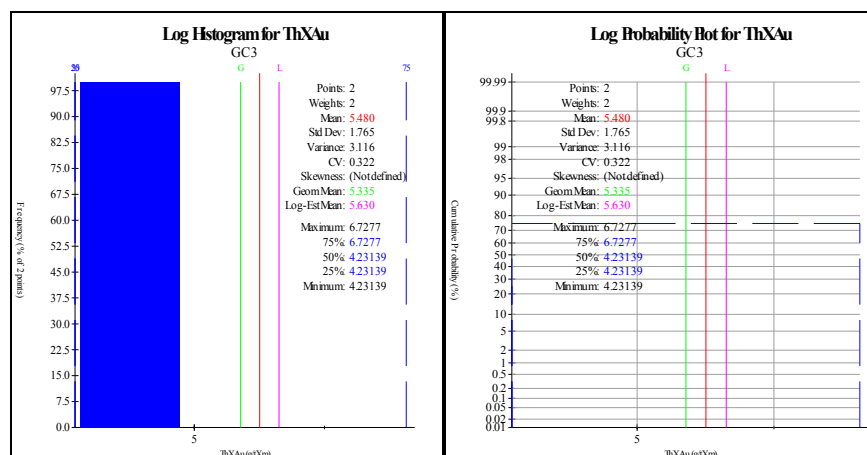
Log Histogram and Log Probability Plot for GC1 Vein –Gold Accumulation



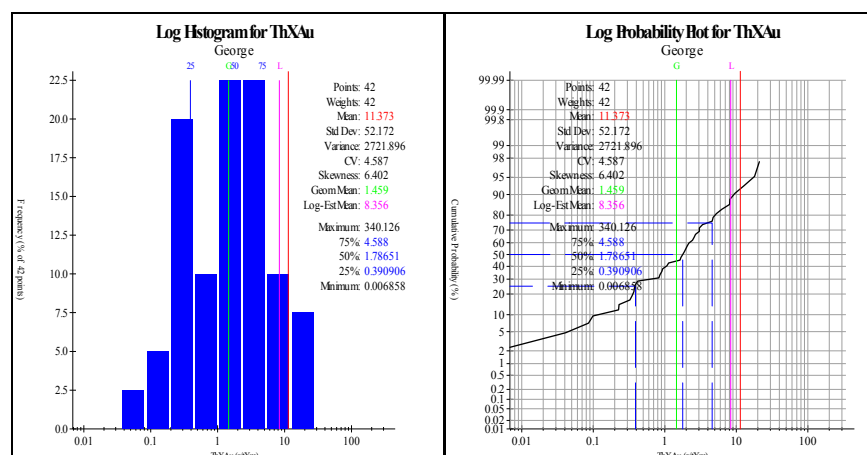
Log Histogram and Log Probability Plot for GC2 Vein –Gold Accumulation



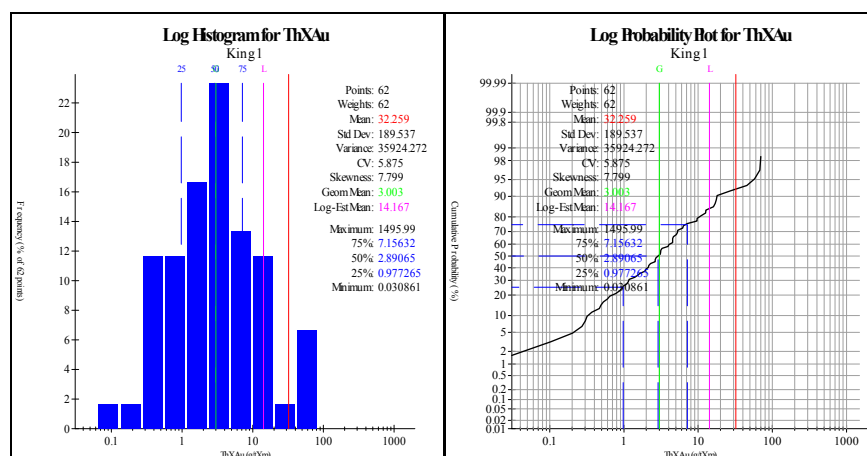
Log Histogram and Log Probability Plot for GC2A –Gold Accumulation



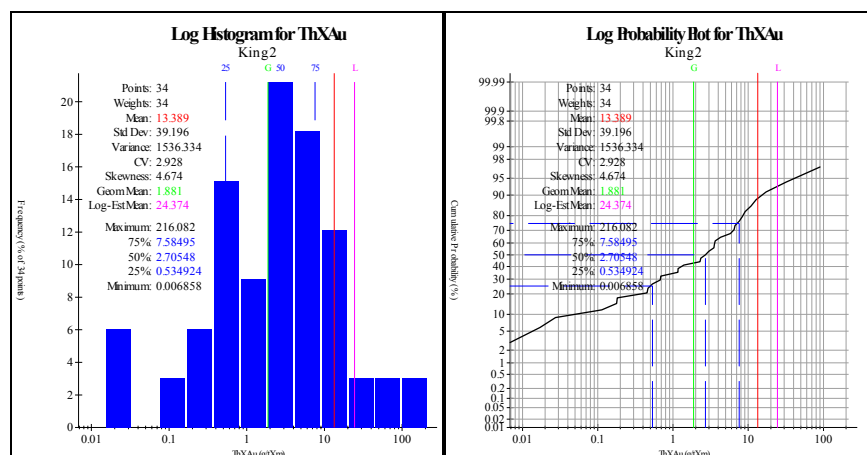
Log Histogram and Log Probability Plot for GC3 Vein –Gold Accumulation



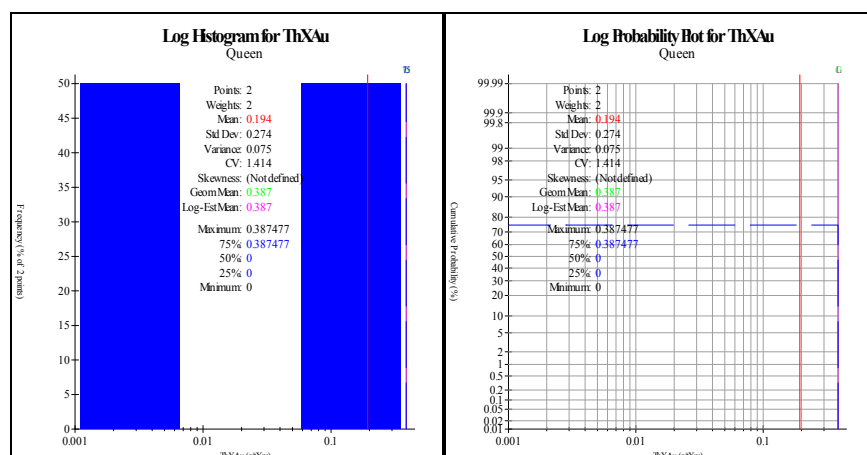
Log Histogram and Log Probability Plot for George Vein –Gold Accumulation



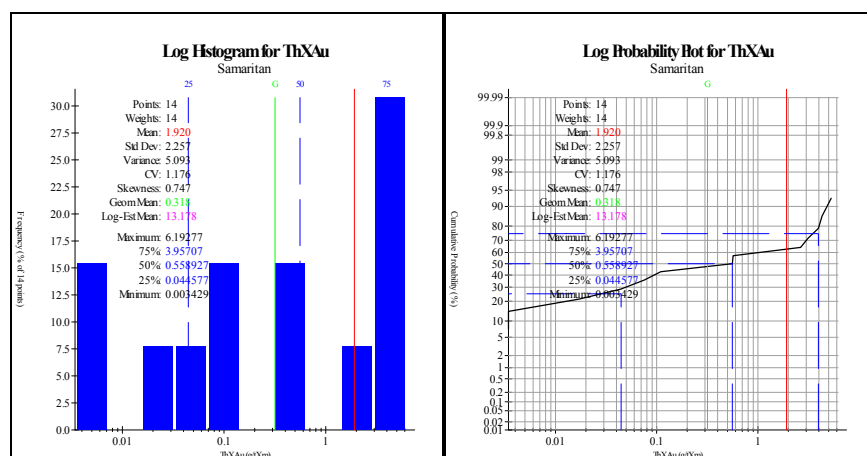
Log Histogram and Log Probability Plot for King 1 Vein –Gold Accumulation



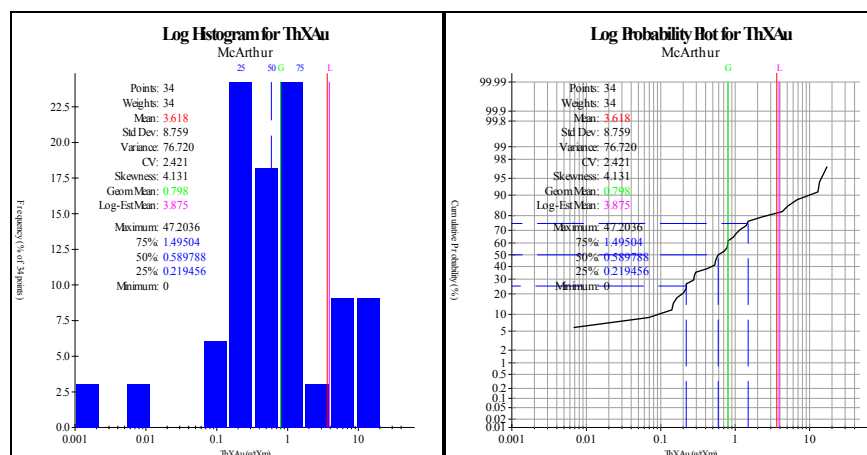
Log Histogram and Log Probability Plot for King 2 Vein –Gold Accumulation



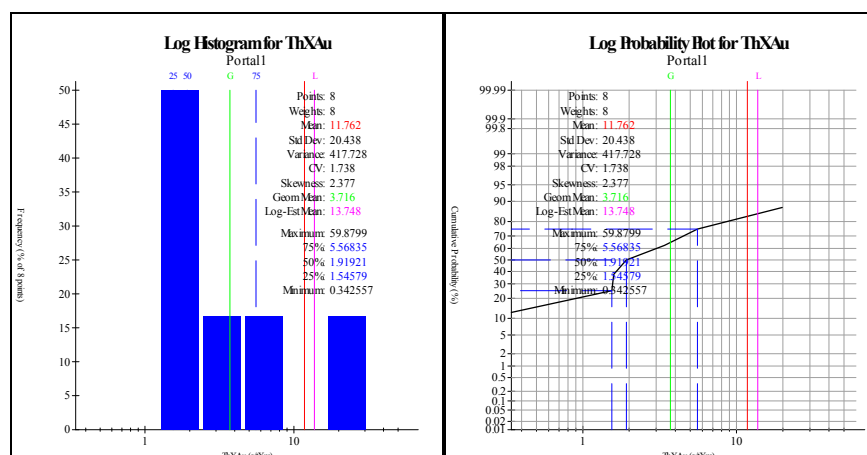
Log Histogram and Log Probability Plot for Queen Vein –Gold Accumulation



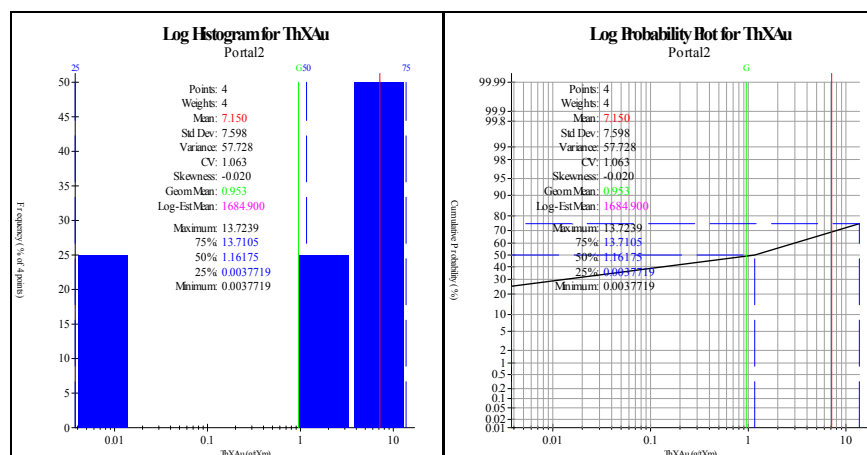
Log Histogram and Log Probability Plot for Samaritan Vein –Gold Accumulation



Log Histogram and Log Probability Plot for McArthur Vein –Gold Accumulation

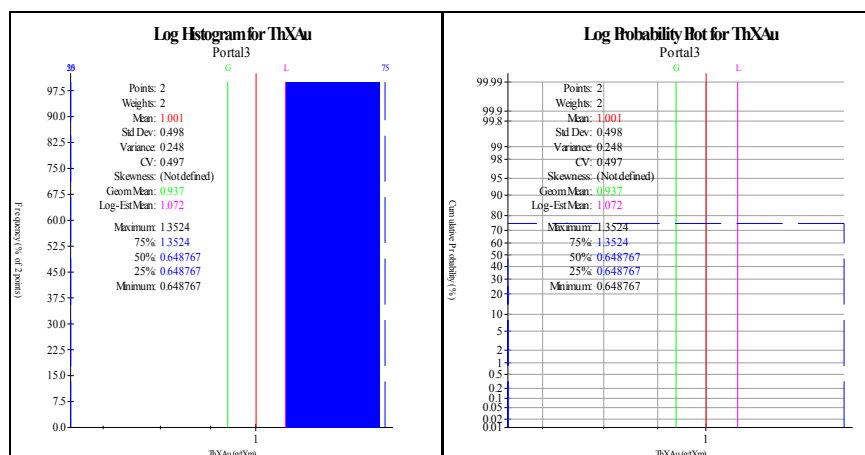


Log Histogram and Log Probability Plot for Portal 1 Vein –Gold Accumulation

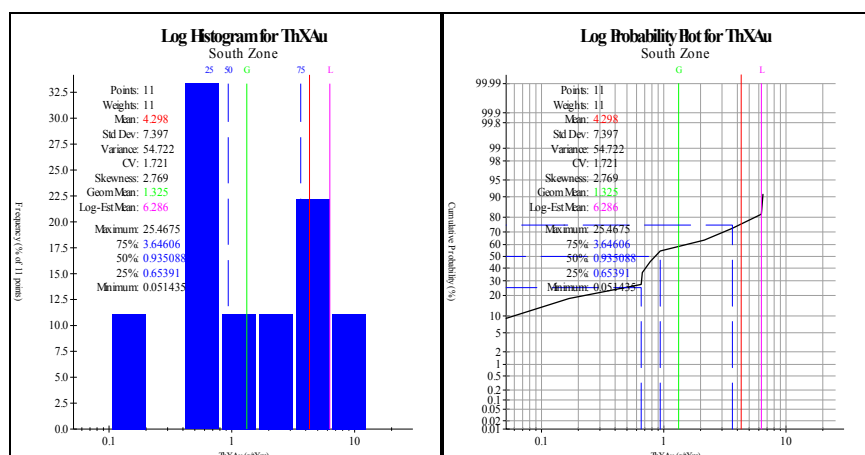


Log Histogram and Log Probability Plot for Portal 2 Vein –Gold Accumulation



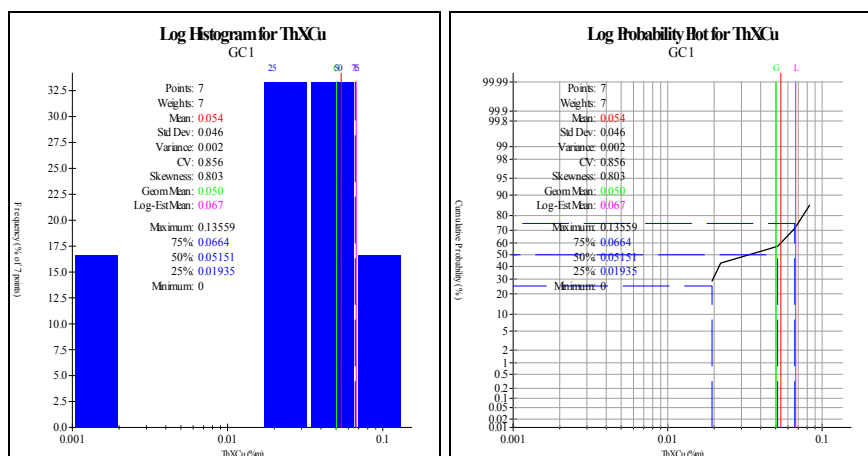


Log Histogram and Log Probability Plot for Portal 3 Vein –Gold Accumulation

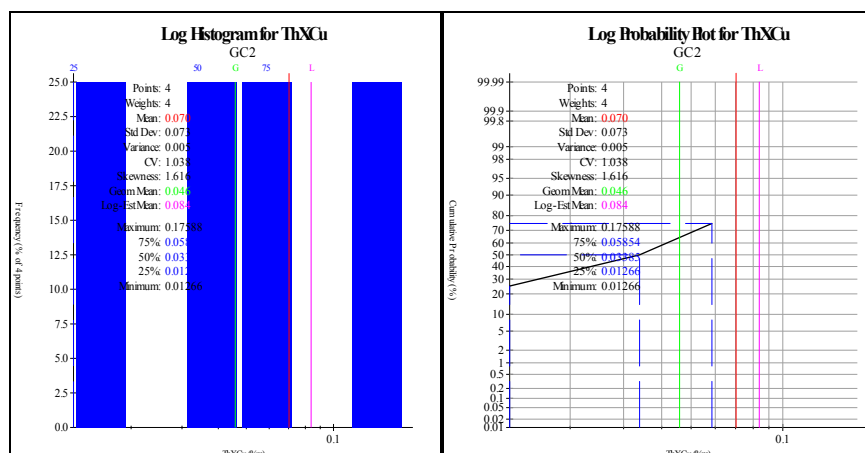


Log Histogram and Log Probability Plot for South Zone Vein –Gold Accumulation

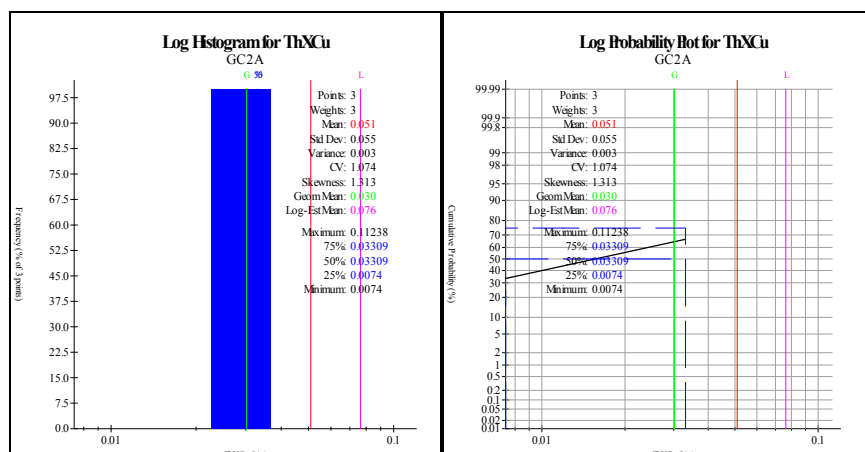
## Copper Accumulation



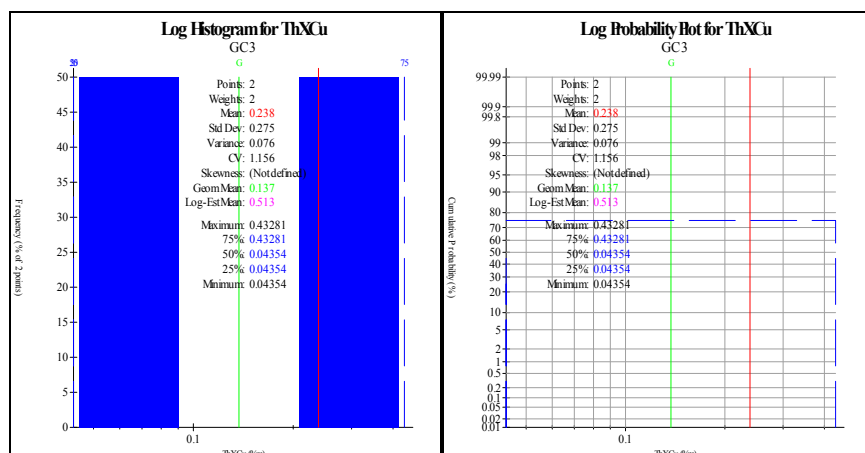
Log Histogram and Log Probability Plot for GC1 Vein –Copper Accumulation



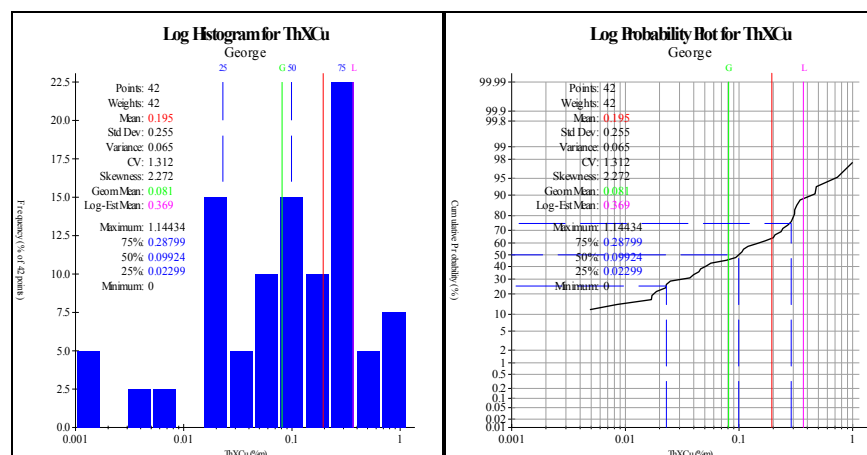
Log Histogram and Log Probability Plot for GC2 Vein –Copper Accumulation



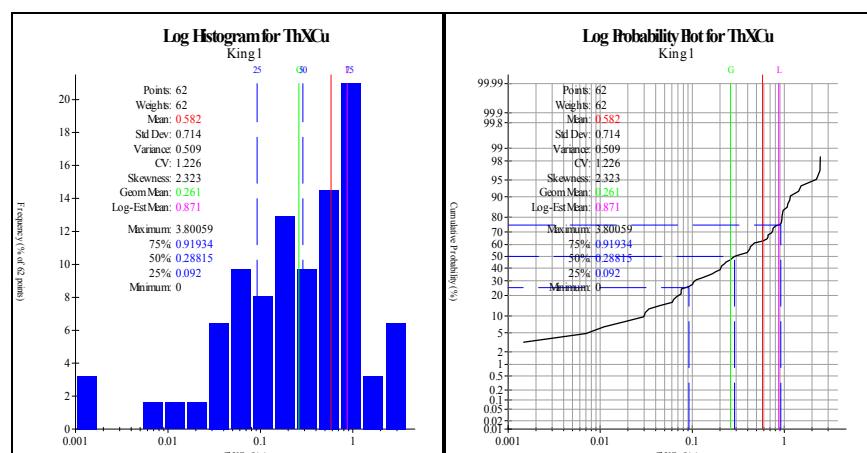
Log Histogram and Log Probability Plot for GC2A Vein –Copper Accumulation



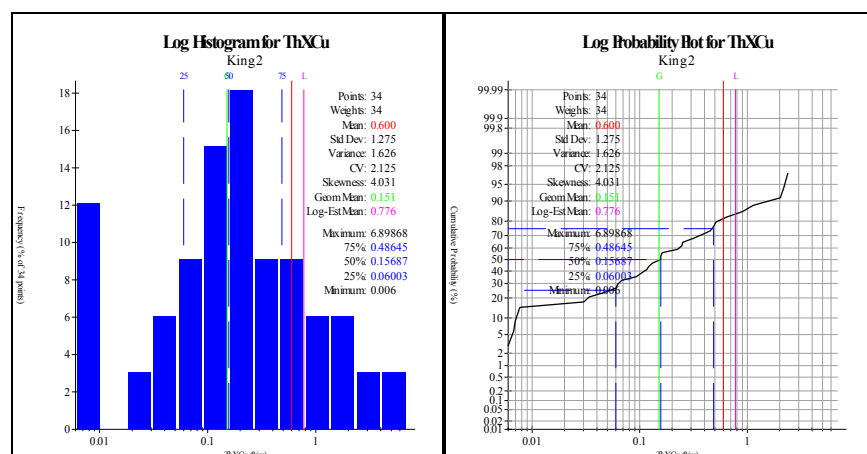
Log Histogram and Log Probability Plot for GC3 Vein –Copper Accumulation



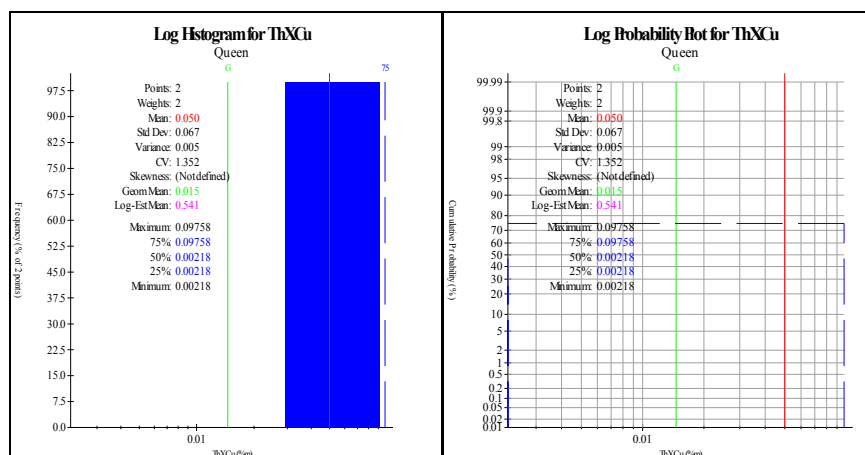
Log Histogram and Log Probability Plot for George Vein –Copper Accumulation



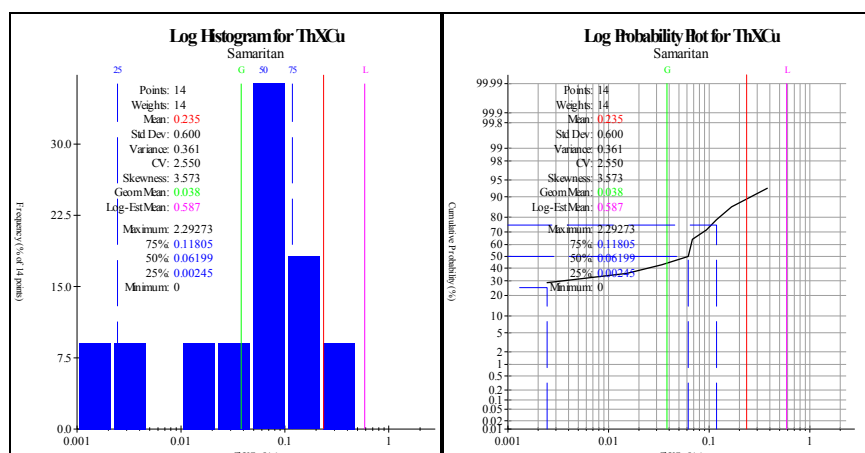
Log Histogram and Log Probability Plot for King 1 Vein –Copper Accumulation



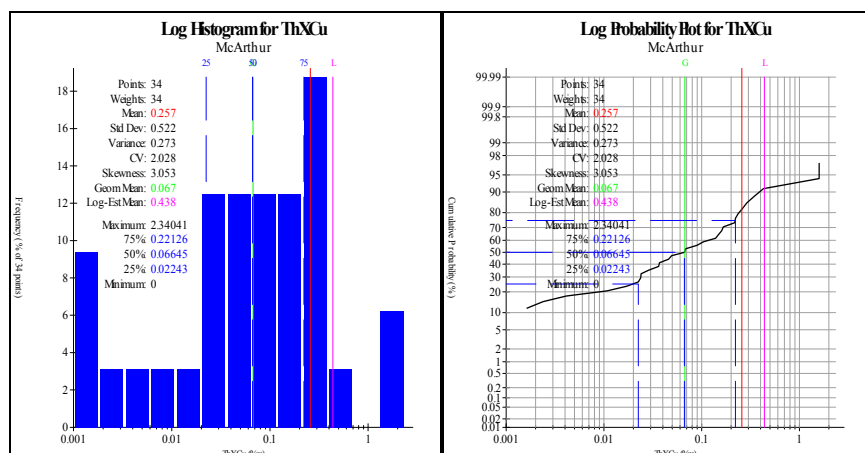
Log Histogram and Log Probability Plot for King 2 Vein –Copper Accumulation



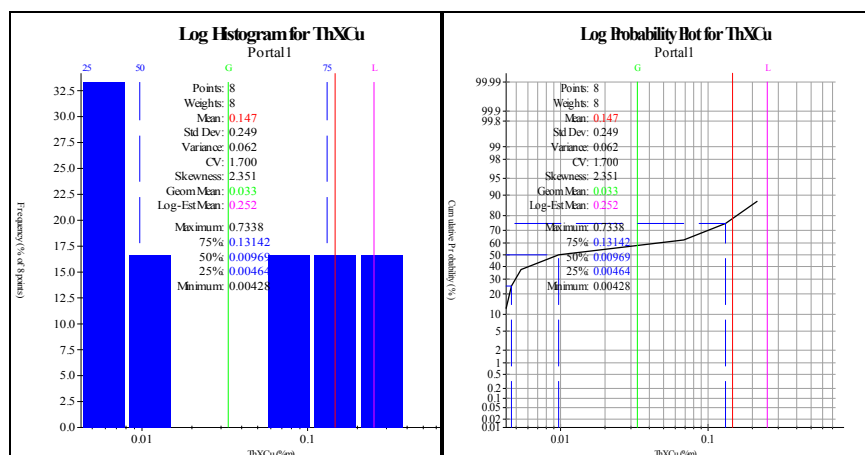
Log Histogram and Log Probability Plot for Queen Vein –Copper Accumulation



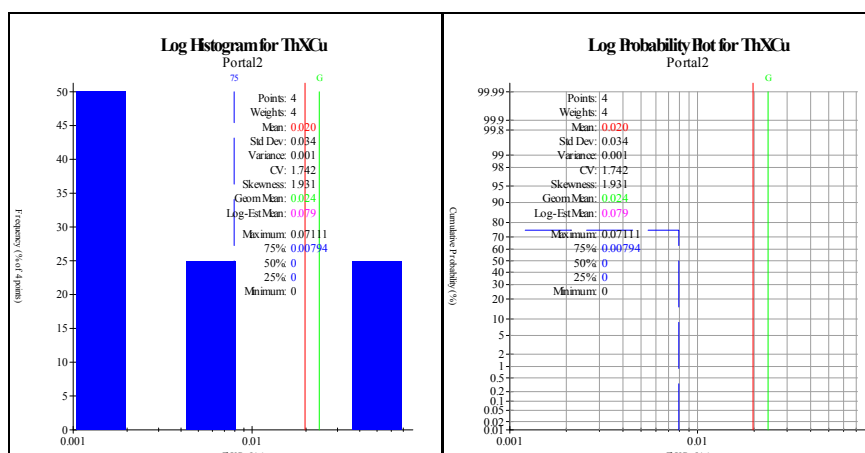
Log Histogram and Log Probability Plot for Samaritan Vein –Copper Accumulation



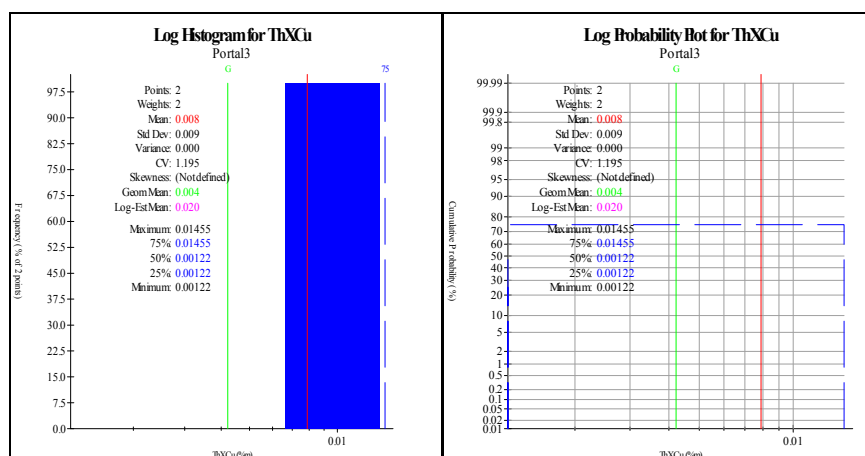
Log Histogram and Log Probability Plot for McArthur Vein –Copper Accumulation



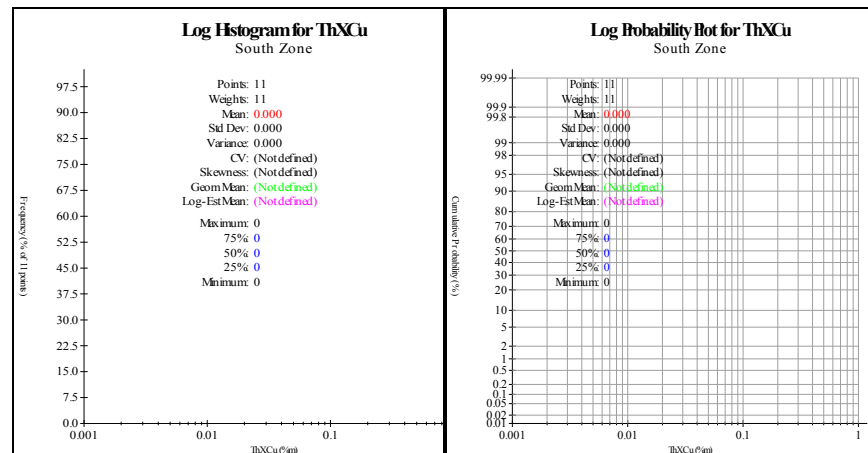
Log Histogram and Log Probability Plot for Portal 1 Vein –Copper Accumulation



Log Histogram and Log Probability Plot for Portal 2 Vein –Copper Accumulation

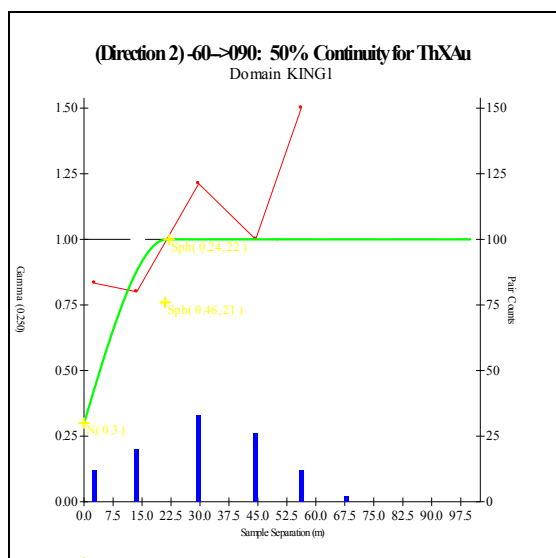
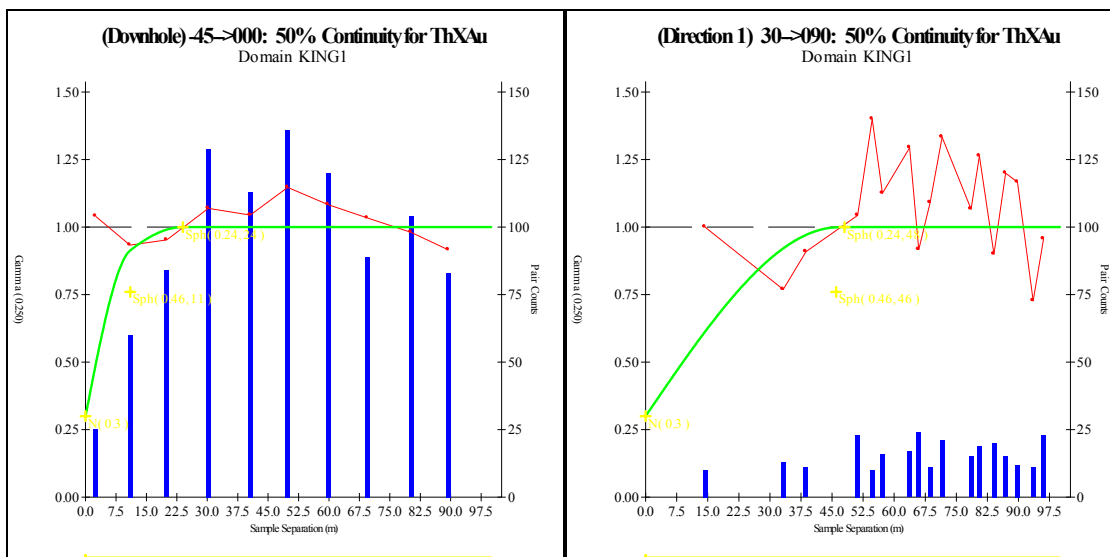


Log Histogram and Log Probability Plot for Portal 3 Vein –Copper Accumulation

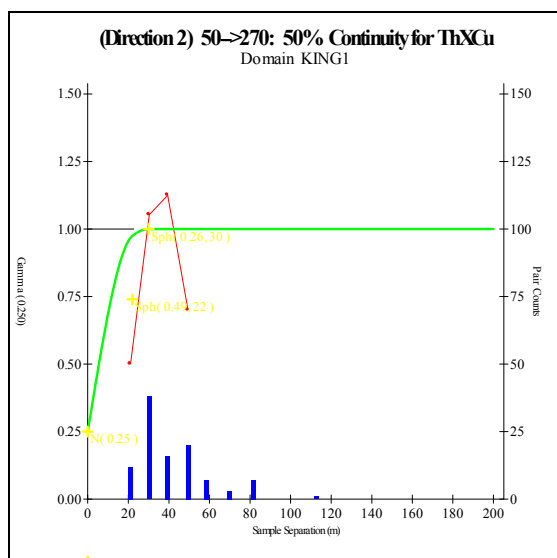
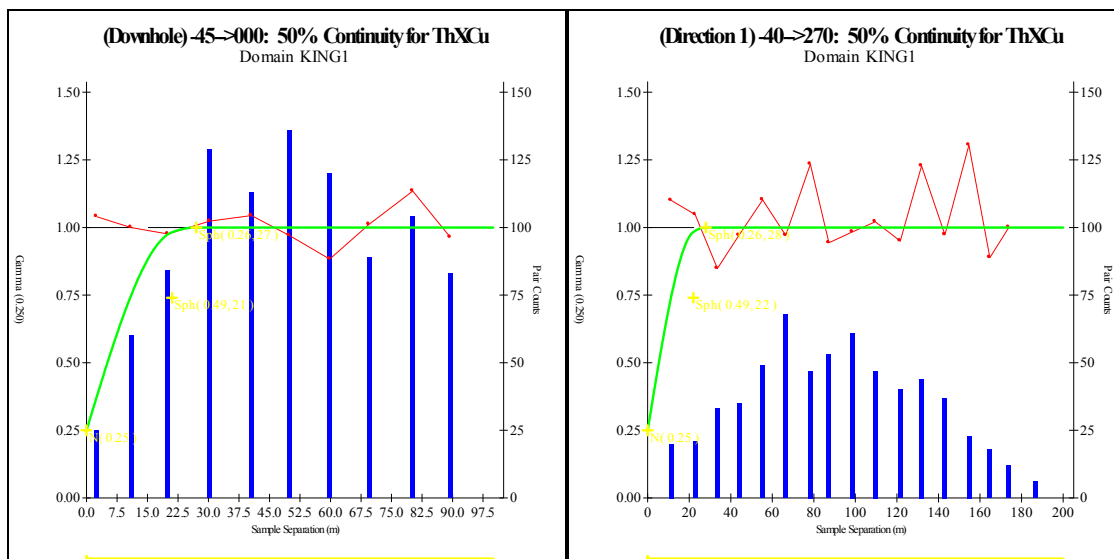


**Log Histogram and Log Probability Plot for South Zone Vein –Copper Accumulation**

## **Appendix C – Variography**







## **Appendix D – Resource Tables**

MEASURED AND INDICATED RESOURCES GOLDEN CROWN AT AUEQ CUTOFFS												
CUTOFF	MEASURED				INDICATED				MEASURED + INDICATED			
	TONNES	AUEQ	AU	CU	TONNES	AUEQ g/t	AU g/t	CU %	TONNES	AUEQ g/t	AU g/t	CU %
15.00	0	0.0	0.0	0.0	14,200	30.6	28.7	0.9	14,200	30.6	28.7	0.9
10.00	0	0.0	0.0	0.0	22,500	23.8	21.9	0.9	22,500	23.8	21.9	0.9
8.00	0	0.0	0.0	0.0	27,800	21.0	19.2	0.8	27,800	21.0	19.2	0.8
<b>6.00</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>30,700</b>	<b>19.7</b>	<b>17.9</b>	<b>0.8</b>	<b>30,700</b>	<b>19.7</b>	<b>17.9</b>	<b>0.8</b>
4.00	0	0.0	0.0	0.0	34,000	18.3	16.5	0.8	34,000	18.3	16.5	0.8
1.00	0	0.0	0.0	0.0	40,800	15.6	14.0	0.7	40,800	15.6	14.0	0.7
0.01	0	0.0	0.0	0.0	43,400	14.7	13.2	0.7	43,400	14.7	13.2	0.7

INFERRED RESOURCES GOLDEN CROWN AT AUEQ CUTOFFS				
CUTOFF	TONNES	INFERRED		
		AUEQ g/t	AU g/t	CU %
15.00	24,000	22.1	20.1	0.9
10.00	48,200	17.2	15.7	0.7
8.00	62,900	15.2	13.9	0.6
<b>6.00</b>	<b>74,200</b>	<b>14.0</b>	<b>12.7</b>	<b>0.6</b>
4.00	87,000	12.7	11.4	0.6
1.00	101,100	11.2	10.1	0.5
0.01	104,700	10.9	9.7	0.5

## **Appendix E – Site Visit Photos**



**Old Golden Crown Adit**





**Typical Drill Collar, 2004 Program**





**Old Trenching**

## **SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this Form 6-K to be signed on its behalf by the undersigned, thereunto duly authorized.

GOLD CITY INDUSTRIES LTD.

(Registrant)

June 25, 2004  
Date

By: /s/ Frederick Sveinson, President